

# MAINE ANNUAL CANCER REPORT 2013



## 2010 Cancer Incidence/2010 Cancer Mortality

Maine Cancer Registry  
Maine Center for Disease Control & Prevention  
Division of Population Health  
286 Water Street, 4th Floor  
11 State House Station  
Augusta, ME 04333  
Tel: (207) 287-5187  
TTY users call Maine relay 711



## **ACKNOWLEDGEMENTS**

**The Maine Cancer Registry wishes to thank the cancer registrars and reporters at hospitals throughout Maine as well as our staff especially Kathy Boris, Douglas Light, and Molly Schwenn and University of Southern Maine epidemiology staff including Sara Huston, Denise Yob, Alison Green-Parsons, and Finn Teach; and Tiana Garrett, epidemiologist with the U.S. Centers for Disease Control and Prevention.**

**Cover Art by Finn Teach**

**Support for this report was provided in part by National Program of Cancer Registries, Centers for Disease Control and Prevention through the Maine Cancer Registry, cooperative agreement number 5U58/DP003916 and by the Maine Department of Health and Human Services.**

**Department of Health and Human Services  
Dr. Sheila Pinette  
Director of the Maine Center for Disease Control and Prevention**

**September 2013**

**If you have questions about the content, please contact Dr. Molly Schwenn at [molly.schwenn@maine.gov](mailto:molly.schwenn@maine.gov).**





# Table of Contents

<b>INTRODUCTION.....</b>	<b>1</b>
<b>TECHNICAL NOTES .....</b>	<b>1</b>
<b>CASE DEFINITIONS .....</b>	<b>3</b>
<b>CANCER INCIDENCE.....</b>	<b>4</b>
<b>State and National Comparision, 2010.....</b>	<b>5</b>
Age-adjusted Cancer Incidence Rates by Site: Total .....	5
Age-adjusted Cancer Incidence Rates by Site: Males .....	6
Age-adjusted Cancer Incidence Rates by Site: Females.....	7
<b>All Cancers, 2008-2010 .....</b>	<b>8</b>
Incidence by Age.....	8
Incidence by County of Residence.....	9
Incidence by Public Health District .....	9
<b>Lung Cancer, 2008-2010.....</b>	<b>10</b>
Incidence by Age.....	10
Incidence by County of Residence.....	11
Incidence by Public Health District .....	11
<b>Tobacco-related Cancers excluding Lung, 2008-2010 .....</b>	<b>12</b>
Incidence by Age.....	12
Incidence by County of Residence.....	13
Incidence by Public Health District .....	13
<b>Prostate Cancer, 2008-2010.....</b>	<b>14</b>
Incidence by Age.....	14
Incidence by County of Residence.....	14
Incidence by Public Health District .....	14
<b>Female Breast Cancer, 2008-2010 .....</b>	<b>15</b>
Incidence by Age.....	15
Incidence by County of Residence.....	15
Incidence by Public Health District .....	15
<b>Colorectal Cancer, 2008-2010.....</b>	<b>16</b>
Incidence by Age.....	16
Incidence by County of Residence.....	17
Incidence by Public Health District .....	17
<b>Brain and Other Nervous System Tumors, 2006-2010 .....</b>	<b>18</b>
Incidence by County of Residence.....	18
Incidence by Public Health District .....	18
<b>Obesity-related Cancers, 2010.....</b>	<b>19</b>
Age-adjusted Rates: Total .....	19
Age-adjusted Rates: Male.....	19
Age-adjusted Rates: Female .....	19

<b>Trends in Cancer Incidence, 1995-2010</b>	<b>20</b>
Age-adjusted Incidence of All Malignant Cancer	20
Age-adjusted Incidence of Colorectal Cancer	21
Age-adjusted Incidence of Prostate Cancer	21
Age-adjusted Incidence of Breast Cancer among Females	22
Age-adjusted Incidence of Cervical Cancer	22
<b>Cancer Incidence Maps, 2008-2010</b>	<b>23</b>
Incidence by County of Residence	24
Incidence by Public Health District	25
<b>CANCER RELATED MORTALITY</b>	<b>26</b>
<b>State and National Comparision, 2010</b>	<b>27</b>
Age-adjusted Cancer Mortality Rates by Site: Total	27
Age-adjusted Cancer Mortality Rates by Site: Males	28
Age-adjusted Cancer Mortality Rates by Site: Females	29
<b>All Cancers, 2006-2010</b>	<b>30</b>
Mortality by County of Residence	30
Mortality by Public Health District	30
<b>Lung Cancer, 2006-2010</b>	<b>31</b>
Mortality by County of Residence	31
Mortality by Public Health District	31
<b>Tobacco-related Cancers excluding Lung, 2006-2010</b>	<b>32</b>
Mortality by County of Residence	32
Mortality by Public Health District	32
<b>Prostate Cancer, 2006-2010</b>	<b>33</b>
Mortality by County of Residence	33
Mortality by Public Health District	33
<b>Female Breast Cancer, 2006-2010</b>	<b>34</b>
Mortality by County of Residence	34
Mortality by Public Health District	34
<b>Colorectal Cancer, 2006-2010</b>	<b>35</b>
Mortality by County of Residence	35
Mortality by Public Health District	35
<b>Trends in Cancer Mortality, 1969-2010</b>	<b>36</b>
Age-adjusted Cancer Mortality Trend: All Malignant Cancers by Gender	36
Age-adjusted Cancer Mortality Trend: All Malignant Cancers, U.S. and Maine	36
Age-adjusted Cancer Mortality Trend: Top Causes of Cancer among Males	37
Age-adjusted Cancer Mortality Trend: Top Causes of Cancer among Females	37
<b>Cancer Mortality Maps, 2006-2010</b>	<b>38</b>
Mortality by County of Residence	39
Mortality by Public Health District	40
<b>Appendix 1: Incidence Case Definitions</b>	<b>41</b>

## INTRODUCTION

**T**he Maine Cancer Registry collects information on all cancer cases diagnosed in Maine according to State Law Title 22, Chapter 255. The 2013 annual report is based on 2010 cancer incidence and 2010 cancer mortality data, the latest years for which data were available at the time of the analysis. The report provides information on the most frequently diagnosed cancer types in Maine.

The purpose of this report is to summarize data on newly diagnosed cases of cancer (incidence) and deaths associated with cancer (mortality) among

Maine residents. Data are presented at the county and public health district levels for all cancer types combined, the top four cancers in Maine (namely: female breast, prostate, lung, and colorectal cancers), and tobacco-related cancers combined (excluding lung cancer).

The information contained in this report may be used in conjunction with other data sources to determine cancer burden and to guide programs and policies targeted at reducing the impact of cancer.

**Summary of Features:** The following is a summary of features added to this report in recent years:

- Charts describing the trends in the mortality due to the top four cancers (namely: female breast, prostate, lung, and colorectal cancers), and tobacco-related cancers combined (excluding lung cancer) in Maine are provided (See pages 21-22, 36-37).
- County-level and public health district-level maps of mortality rates for all cancer types combined are provided (See pages 39-40).
- Data are presented for “tobacco-related cancers” and “obesity-related cancers”.
- Age-specific incidence data are presented for the top four cancer sites in Maine.
- Data are presented for malignant and non-malignant incident cases of brain and other nervous system tumors.

## TECHNICAL NOTES

**Tobacco-related Cancers:** Tobacco-related cancers excluding lung cancer are included in this report due to their increasing clinical and epidemiologic significance. According to a 2008 MMWR surveillance summary (Surveillance for Cancers Associated with Tobacco Use — United States, 1999–2004), tobacco-related cancers are those that are defined by the U.S. Surgeon General as having direct causal relationships to tobacco use. The list of tobacco-related cancers was expanded in 2004 to include the following: lung, laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia.

**Obesity-related Cancers:** According to the 2007 expert report published by the World Cancer Research Fund and American Institute of Cancer Research, there is convincing evidence that greater body fat is a cause of adenocarcinoma of the esophagus, as well as cancers of the pancreas, colon, kidney, endometrium, and breast (postmenopausal). Due to the prevalence of obesity in Maine, this group of cancers is included in the annual cancer report again this year.

**Data Sources:** Maine incidence data are obtained from the Maine Cancer Registry. Mortality data for both Maine and the U.S. is provided by the National Center for Health Statistics. Estimates of national incidence data are used for comparisons and are derived from the Surveillance, Epidemiology and End Results (SEER) Program of the National Cancer Institute. The SEER dataset used in this report (SEER 9) represents about 9.4% of the U.S. population.

**Data Analysis:** Counts and rates presented in this report were produced using the following software: Surveillance Research Program, National Cancer Institute SEER\*Stat software ([seer.cancer.gov/seerstat](http://seer.cancer.gov/seerstat)) 8.0.4.

**National Comparisons:** SEER incidence rates and national mortality rates for both whites and all races have been provided to allow an option for comparison by the reader. However due to the predominately white population in Maine, all statistical comparisons in this report involving national estimates are based on rates for whites. These estimates appear under the headings “SEER Whites” and “SEER All races”.

**Rates:** Incidence and mortality rates are calculated per 100,000 population and are age-adjusted to the year 2000 U.S. standard population.

**Confidence Intervals and Statistical Significance:** Ninety-five percent confidence intervals are provided for all rates. If the 95% confidence intervals for two rates overlapped, the incidence rates were considered similar. If the confidence intervals did not overlap, we considered these rates to be significantly different. Maine rates that are higher than nationally comparable rates or county/district rates that are higher than State (Maine) rates are highlighted in orange (■).

**Maine Public Health Districts:** In 2007, the Maine Center for Disease Control and Prevention created eight public health districts, each district made up of one or more counties. For this reason, cancer rates have been calculated for districts in addition to counties. The table above shows the constituent counties of each district.

Public Health District	Constituent Counties
1. Aroostook District	Aroostook County
2. Central District	Kennebec County, Somerset County
3. Cumberland District	Cumberland County
4. Downeast District	Hancock County, Washington County
5. Midcoast District	Lincoln County, Knox County, Sagadahoc County, Waldo County
6. Penquis District	Penobscot County, Piscataquis County
7. Western District	Androscoggin County, Franklin County, Oxford County
8. York District	York County

**Rates by County/District:** More so than at the state level, the number of new cancer cases reported in a county or district varies from year to year, and much of this variation may be due purely to chance. As a result, cancer rates at the county or district level are more likely to vary on an annual basis than at the state level. Counties/districts with smaller populations tend to have greater variation from one time period to the next. In general, when there are less than 30 cancer cases a year in a geographic entity, it can be difficult to distinguish between normal variation and meaningful changes in cancer rates. In this report, multiple years of data are combined when producing the county or district rates. Although combining years can make the rates more reliable, caution must still be used when interpreting county and district rates because of small populations.

**Maps:** We have included maps to present the geographical distribution of ‘All Cancer Combined’ incidence and mortality rates. These maps were prepared at the county as well as the public health district level. Maps were created using ArcGIS v.10 software; the ‘natural breaks’ method was used to categorize the rates.



**Charts:** We have included charts describing trends in cancer incidence and mortality in the State of Maine. The incidence charts show trends in the incidence rates of colorectal cancer, cervical cancer and female breast cancer from 1995 to 2010. The mortality charts show trends in mortality

rates for the top four causes of cancers (lung, colorectal, female breast and prostate) and tobacco-related cancer from 1969 to 2010. Separate cancer mortality trend charts were prepared for males and females due to gender-specific cancers.

## CASE DEFINITIONS

**Incidence Case Definitions:** Incidence data are based on SEER site recode ICD-O-3/WHO 2008 definitions, version 2008: Available at [http://www.seer.cancer.gov/siterecode/icdo3\\_dwho/home/index.html](http://www.seer.cancer.gov/siterecode/icdo3_dwho/home/index.html). Case definitions are included in Appendix 1. Histologies consistent with Kaposi sarcoma and mesothelioma are excluded (where applicable).

**Mortality Case Definitions:** Death data are based on ICD-10 codes for underlying cause of death as defined below:

Site	ICD-10 Codes
All Sites	C00–C97
Brain and Other Nervous Systems	C70-C72
Breast	C50
Cervix Uteri	C53
Colon and Rectum	C18-C20, C26.0
Corpus Uterus	C54, C55
Esophagus	C15
Hodgkin Lymphoma	C81
Kidney and Renal Pelvis	C64-C65
Larynx	C32
Leukemia	C90.1, C91-C95
Liver & Intrahepatic Bile Duct	C22.0-C22.4, C22.7, C22.9
Lung and Bronchus	C34
Melanoma of the Skin	C43
Myeloma	C90.0, C90.2
Non-Hodgkin Lymphoma	C82-C85, C96.3
Oral Cavity and Pharynx	C00-C14
Ovary	C56
Pancreas	C25
Prostate	C61
Stomach	C16
Testis	C62
Thyroid	C73
Urinary Bladder	C67


# CANCER INCIDENCE

## INCIDENCE: STATE AND NATIONAL COMPARISONS

## Age-adjusted Cancer Incidence Rates by Site, Maine 2010

	Total			
	AA Rate (95% CI)	Count	SEER Whites	SEER All races
All Sites	486.7 (476.1 - 497.6)	8,268	465.4 (462.7 - 468.2)	457.5 (455.1 - 460.0)
Lung and Bronchus	73.2 (69.2 - 77.4)	1,270	57.8 (56.8 - 58.8)	56.7 (55.8 - 57.5)
Tobacco-related, Excl. Lung	91.3 (86.8 - 96.1)	1,566	82.4 (81.3 - 83.6)	81.0 (79.9 - 82.0)
Colon and Rectum	39.4 (36.4 - 42.6)	666	39.2 (38.4 - 40.0)	40.6 (39.9 - 41.3)
Breast	See Page 7 & 8 for gender specific rate			
Prostate	See Page 7 for gender specific rate			
Urinary Bladder	27.5 (25.1 - 30.2)	473	23.4 (22.8 - 24.0)	21.1 (20.6 - 21.6)
Melanoma of the Skin	21.9 (19.6 - 24.5)	352	28.8 (28.2 - 29.6)	23.6 (23.0 - 24.1)
Non-Hodgkin Lymphoma	21.4 (19.2 - 23.8)	360	21.7 (21.1 - 22.4)	21.0 (20.5 - 21.5)
Leukemia	17.2 (15.2 - 19.4)	283	14.1 (13.6 - 14.6)	13.3 (12.9 - 13.7)
Kidney and Renal Pelvis	14.1 (12.4 - 16.1)	238	14.7 (14.2 - 15.2)	14.6 (14.2 - 15.1)
Thyroid	13.5 (11.8 - 15.4)	234	14.5 (14.0 - 15.1)	13.8 (13.4 - 14.3)
Oral Cavity and Pharynx	12.7 (10.9 - 14.8)	182	11.2 (10.7 - 11.6)	10.8 (10.4 - 11.2)
Pancreas	12.4 (10.7 - 14.2)	218	11.9 (11.5 - 12.4)	12.4 (12.0 - 12.8)
Brain and Other Nerv. System	8.0 (6.6 - 9.6)	122	7.1 (6.8 - 7.5)	6.4 (6.1 - 6.7)
Esophagus	7.0 (5.8 - 8.4)	124	4.5 (4.2 - 4.8)	4.4 (4.1 - 4.6)
Liver and Intrahep. Bile Duct	5.5 (4.4 - 6.7)	94	6.5 (6.2 - 6.8)	7.9 (7.5 - 8.2)
Stomach	4.9 (3.9 - 6.1)	88	6.1 (5.8 - 6.4)	7.0 (6.7 - 7.3)
Myeloma	4.5 (3.6 - 5.6)	80	5.8 (5.5 - 6.1)	6.4 (6.1 - 6.7)
Larynx	3.3 (2.4 - 4.3)	56	3.1 (2.9 - 3.4)	3.2 (3.0 - 3.4)
Hodgkin Lymphoma	2.5 (1.7 - 3.6)	34	2.8 (2.6 - 3.1)	2.7 (2.5 - 2.8)
Mesothelioma	1.7 (1.1 - 2.4)	27	1.1 (0.9 - 1.2)	1.0 (0.9 - 1.1)
Corpus Uteri	See Page 8 for gender specific rate			
Ovary	See Page 8 for gender specific rate			
Cervix Uteri	See Page 8 for gender specific rate			
Testis	See Page 7 for gender specific rate			

## Notes:

-  Maine rate is significantly higher than US White rate
- Tobacco-related cancers excl. lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia. These cancers are also reported separately in the table
- Cancer sites are ordered by descending Maine incidence rates
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Excl. = Excluding; Nerv. = Nervous; Intrahep. = Intrahepatic


## Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2010 NPCR-CSS submission
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Research Data, Nov 2012 Sub (1973-2010)

## Age-adjusted Cancer Incidence Rates among Males by Site, Maine, 2010

	Male			
	AA Rate (95% CI)	Count	SEER Whites	SEER All races
All Sites	543.9 (527.3 – 561.0)	4,260	521.4 (517.1 – 525.8)	519.3 (515.4 – 523.2)
Prostate	121.1 (113.6 – 129.0)	1,022	138.7 (136.5 – 140.9)	145.1 (143.1 – 147.2)
Lung and Bronchus	83.0 (76.6 – 89.8)	650	66.6 (65.0 – 68.2)	66.8 (65.3 – 68.2)
Tobacco-related, Excl. Lung	132.8 (124.7 – 141.4)	1,042	118.1 (116.0 – 120.2)	115.0 (113.2 – 116.9)
Colon and Rectum	45.7 (41.0 – 50.9)	352	45.1 (43.8 – 46.4)	46.6 (45.5 – 47.8)
Breast	1.8 (0.9 – 3.1)	13	1.1 (0.9 – 1.3)	1.2 (1.1 – 1.5)
Urinary Bladder	46.0 (41.2 – 51.3)	348	40.9 (39.6 – 42.1)	37.0 (36.0 – 38.1)
Melanoma of the Skin	27.2 (23.5 – 31.3)	205	35.4 (34.3 – 36.6)	29.6 (28.7 – 30.6)
Non-Hodgkin Lymphoma	24.5 (21.0 – 28.4)	185	26.6 (25.6 – 27.6)	26.0 (25.2 – 26.9)
Leukemia	23.5 (20.0 – 27.4)	172	17.4 (16.7 – 18.2)	18.4 (17.6 – 19.2)
Kidney and Renal Pelvis	20.0 (17.0 – 23.5)	159	20.2 (19.4 – 21.1)	20.4 (19.6 – 21.2)
Oral Cavity and Pharynx	18.6 (15.7 – 22.0)	155	16.4 (15.7 – 17.2)	16.1 (15.4 – 16.7)
Pancreas	14.7 (12.0 – 17.7)	115	13.3 (12.6 – 14.0)	13.7 (13.1 – 14.3)
Esophagus	13.0 (10.5 – 15.8)	105	7.8 (7.3 – 8.4)	7.6 (7.1 – 8.1)
Brain and Other Nervous System	8.3 (6.4 – 10.7)	65	8.2 (7.6 – 8.7)	7.4 (7.0 – 7.9)
Testis	8.3 (6.1 – 11.0)	48	6.8 (6.3 – 7.4)	5.8 (5.4 – 6.2)
Stomach	7.5 (5.7 – 9.8)	62	8.5 (8.0 – 9.1)	9.5 (9.0 – 10.1)
Myeloma	7.2 (5.4 – 9.5)	54	7.4 (6.9 – 7.9)	8.0 (7.6 – 8.5)
Liver and Intrahepatic Bile Duct	7.0 (5.3 – 9.2)	58	10.0 (9.4 – 10.6)	12.1 (11.5 – 12.7)
Thyroid	6.5 (4.7 – 8.7)	47	7.2 (6.7 – 7.7)	6.6 (6.2 – 7.1)
Larynx	5.3 (3.8 – 7.2)	44	5.5 (5.0 – 5.9)	5.7 (5.3 – 6.1)
Mesothelioma	2.9 (1.8 – 4.5)	21	2.0 (1.7 – 2.3)	1.8 (1.5 – 2.0)
Hodgkin Lymphoma	2.7 (1.6 – 4.4)	18	3.3 (3.0 – 3.7)	3.1 (2.8 – 3.4)

## Notes:

-  Maine rate is significantly higher than US White rate
- Tobacco-related cancers excl. lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia. These cancers are also reported separately in the table
- Cancer sites are ordered by descending incidence rates
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Excl. = Excluding.


## Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2010 NPCR-CSS submission
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Research Data, Nov 2012 Sub (1973-2010)

## Age-adjusted Cancer Incidence Rates among Females by Site, Maine, 2010

	Female			
	AA Rate (95% CI)	Count	SEER Whites	SEER All races
All Sites	446.9 (432.7 - 461.4)	4,008	425.8 (422.1 - 429.5)	413.3 (410.2 - 416.5)
Breast	123.8 (116.4 - 131.6)	1,113	129.8 (127.7 - 131.8)	126.0 (124.3 - 127.8)
Lung and Bronchus	66.3 (61.1 - 71.9)	620	51.2 (49.9 - 52.5)	49.2 (48.1 - 50.3)
Tobacco-related, Excl. Lung	57.9 (52.9 - 63.3)	524	53.7 (52.4 - 55.0)	54.1 (53.0 - 55.3)
Colon and Rectum	34.2 (30.4 - 38.4)	314	34.3 (33.3 - 35.3)	35.7 (34.8 - 36.6)
Corpus Uteri	32.1 (28.4 - 36.1)	297	27.8 (26.9 - 28.7)	27.3 (26.5 - 28.1)
Non-Hodgkin Lymphoma	19.4 (16.5 - 22.7)	175	17.7 (17.0 - 18.5)	16.9 (16.2 - 17.5)
Thyroid	18.9 (15.7 - 22.5)	135	22.0 (21.1 - 22.9)	20.8 (20.1 - 21.6)
Melanoma of the Skin	18.0 (15.1 - 21.3)	147	24.2 (23.3 - 25.1)	19.3 (18.6 - 20.0)
Urinary Bladder	13.1 (10.9 - 15.8)	125	9.9 (9.4 - 10.5)	9.1 (8.6 - 9.6)
Pancreas	12.7 (10.5 - 15.3)	119	10.8 (10.2 - 11.4)	11.3 (10.8 - 11.8)
Leukemia	12.5 (10.2 - 15.1)	111	10.7 (10.1 - 11.3)	10.2 (9.7 - 10.7)
Ovary	10.6 (8.6 - 13.0)	97	13.3 (12.6 - 13.9)	12.6 (12.1 - 13.2)
Kidney and Renal Pelvis	9.0 (7.1 - 11.4)	79	9.9 (9.4 - 10.5)	9.8 (9.3 - 10.3)
Brain and Other Nervous System	7.6 (5.6 - 9.9)	57	6.1 (5.7 - 6.6)	5.5 (5.2 - 5.9)
Oral Cavity and Pharynx	6.7 (5.1 - 8.6)	63	6.3 (5.9 - 6.8)	6.2 (5.8 - 6.6)
Cervix Uteri	6.5 (4.7 - 8.7)	48	6.5 (6.1 - 7.0)	6.7 (6.3 - 7.1)
Myeloma	4.2 (3.0 - 5.8)	40	4.5 (4.2 - 4.9)	5.0 (4.7 - 5.4)
Stomach	2.8 (1.8 - 4.2)	26	4.0 (3.7 - 4.4)	4.9 (4.6 - 5.3)
Liver and Intrahepatic Bile Duct	2.4 (1.5 - 3.8)	22	3.4 (3.1 - 3.7)	4.2 (3.9 - 4.5)
Hodgkin Lymphoma	2.3 (1.3 - 3.8)	16	2.4 (2.1 - 2.7)	2.2 (2.0 - 2.5)
Esophagus	2.0 (1.2 - 3.3)	19	1.7 (1.5 - 1.9)	1.7 (1.5 - 1.9)
Larynx	1.5 (0.8 - 2.8)	12	1.2 (1.0 - 1.4)	1.1 (1.0 - 1.3)
Mesothelioma	0.7 (0.2 - 1.6)	6	0.4 (0.3 - 0.5)	0.4 (0.3 - 0.5)

## Notes:

-  Maine rate is significantly higher than US White rate
- Tobacco-related cancers excl. Lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia. These cancers are also reported separately in the table
- Cancer sites are ordered by descending incidence rates
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Excl. = Excluding.

## Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2010 NPCR-CSS submission
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Research Data, Nov 2012 Sub (1973-2010)

## All Cancers: Incidence by Age, Maine 2008-2010

	Total		Male		Female	
	Rate (95% CI)	Count/ Yr	Rate (95% CI)	Count/ Yr	Rate (95% CI)	Count/ Yr
0-14 years	19.7 (16.5 - 23.4)	44	20.9 (16.4 - 26.4)	24	18.5 (14.1 - 23.8)	20
15-19 years	20.7 (15.6 - 26.9)	19	21.5 (14.5 - 30.6)	10	19.9 (13.0 - 29.1)	9
20-24 years	40.1 (32.5 - 49.0)	32	41.0 (30.4 - 54.1)	17	39.1 (28.6 - 52.2)	15
25-29 years	68.8 (58.3 - 80.8)	50	61.9 (48.0 - 78.6)	22	75.6 (60.2 - 93.8)	28
30-34 years	102.7 (89.6 - 117.2)	74	75.1 (59.6 - 93.5)	27	129.8 (109.2 - 153.0)	47
35-39 years	145.3 (130.6 - 161.1)	120	99.0 (82.1 - 118.3)	40	190.3 (167.0 - 216.1)	80
40-44 years	234.1 (216.6 - 252.7)	220	158.2 (138.0 - 180.6)	73	307.4 (279.4 - 337.5)	147
45-49 years	388.3 (367.2 - 410.3)	423	302.5 (276.2 - 330.7)	162	471.0 (438.6 - 505.2)	261
50-54 years	613.3 (586.9 - 640.6)	676	604.4 (567.1 - 643.6)	325	621.8 (584.8 - 660.5)	351
55-59 years	872.2 (839.3 - 906.1)	881	945.1 (896.2 - 995.9)	466	802.7 (758.7 - 848.5)	415
60-64 years	1274.8 (1231.6 - 1319.1)	1,095	1448.5 (1383.2 - 1516.0)	616	1104.4 (1048.0 - 1163.0)	479
65-69 years	1850.8 (1789.7 - 1913.4)	1,157	2156.1 (2061.3 - 2254.1)	649	1567.7 (1490.0 - 1648.4)	509
70-74 years	2235.0 (2157.8 - 2314.2)	1,056	2772.2 (2646.9 - 2901.9)	613	1762.9 (1669.4 - 1860.2)	443
75-79 years	2605.7 (2513.9 - 2700.0)	1,013	3193.9 (3041.4 - 3352.0)	548	2140.6 (2029.7 - 2256.0)	465
80-84 years	2522.5 (2420.6 - 2627.7)	768	3232.3 (3049.8 - 3422.9)	390	2055.9 (1937.9 - 2179.2)	378
85+ years	2425.3 (2322.2 - 2531.9)	693	3308.5 (3096.0 - 3531.8)	300	2014.1 (1900.7 - 2132.5)	393
All Ages	496.6 (490.4 - 502.9)	8,321	557.9 (548.1 - 567.9)	4,283	452.8 (444.5 - 461.1)	4,038

## Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008
- Rates are calculated per 100,000 population.
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

## All Cancers: Incidence by County of Residence, Maine, 2008-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	510.9 (487.9 - 534.7)	630	593.4 (556.2 - 632.3)	329	454.7 (425.0 - 486.0)	302
Aroostook	476.7 (451.8 - 502.8)	486	527.7 (489.9 - 568.0)	255	437.7 (404.1 - 473.6)	231
Cumberland	481.3 (467.5 - 495.4)	1,591	545.4 (523.2 - 568.3)	794	440.6 (422.7 - 459.2)	797
Franklin	458.3 (419.6 - 499.8)	181	531.7 (470.8 - 598.6)	99	397.0 (347.6 - 452.0)	82
Hancock	489.9 (460.7 - 520.7)	374	530.6 (486.4 - 578.2)	189	468.3 (428.5 - 511.3)	185
Kennebec	508.6 (487.8 - 530.1)	779	558.9 (526.8 - 592.6)	395	471.5 (443.9 - 500.4)	384
Knox	520.4 (485.6 - 557.3)	298	598.5 (544.8 - 656.6)	160	464.2 (418.0 - 514.6)	138
Lincoln	457.7 (423.6 - 494.2)	245	485.5 (435.2 - 540.7)	123	440.3 (393.5 - 491.9)	122
Oxford	509.5 (480.0 - 540.4)	389	585.9 (540.1 - 634.7)	213	444.0 (405.8 - 485.1)	176
Penobscot	529.7 (510.2 - 549.8)	952	610.5 (579.4 - 642.9)	501	469.8 (444.6 - 496.1)	451
Piscataquis	469.3 (420.4 - 523.1)	123	460.8 (393.3 - 538.3)	61	468.7 (400.1 - 547.2)	62
Sagadahoc	448.6 (412.6 - 487.0)	201	467.9 (414.1 - 527.1)	98	436.3 (387.7 - 489.8)	103
Somerset	470.6 (440.6 - 502.2)	317	522.0 (475.7 - 571.9)	165	431.3 (391.9 - 474.1)	152
Waldo	498.6 (462.5 - 537.0)	252	527.9 (473.2 - 587.5)	123	484.1 (435.2 - 537.4)	129
Washington	533.7 (495.0 - 574.9)	253	599.1 (540.1 - 663.3)	135	482.2 (430.9 - 538.7)	118
York	507.7 (491.3 - 524.7)	1,246	578.2 (552.0 - 605.3)	642	458.0 (436.6 - 480.2)	604
Maine	496.6 (490.4 - 502.9)	8,321	557.9 (548.1 - 567.9)	4,283	452.8 (444.5 - 461.1)	4,038

## All Cancers: Incidence by Public Health District of Residence, Maine, 2008-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	476.7 (451.8 - 502.8)	486	527.7 (489.9 - 568.0)	255	437.7 (404.1 - 473.6)	231
Central	496.9 (478.5 - 515.7)	947	566.2 (537.1 - 596.5)	493	447.5 (423.6 - 472.4)	454
Cumberland	481.3 (467.5 - 495.4)	1,591	545.4 (523.2 - 568.3)	794	440.6 (422.7 - 459.2)	797
Downeast	506.4 (483.0 - 530.8)	627	557.1 (521.5 - 594.8)	323	472.8 (441.1 - 506.3)	304
Midcoast	482.9 (465.1 - 501.2)	996	522.5 (495.7 - 550.5)	504	456.2 (432.2 - 481.3)	492
Penquis	521.5 (503.3 - 540.1)	1,075	589.5 (561.1 - 619.0)	562	469.3 (445.7 - 494.0)	513
Western	501.9 (485.4 - 518.9)	1,200	579.2 (553.0 - 606.3)	641	442.5 (421.1 - 464.8)	559
York	507.7 (491.3 - 524.7)	1,246	578.2 (552.0 - 605.3)	642	458.0 (436.6 - 480.2)	604
Maine	496.6 (490.4 - 502.9)	8,321	557.9 (548.1 - 567.9)	4,283	452.8 (444.5 - 461.1)	4,038

## Notes:

- County/District rate is significantly higher than Maine rate
- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. Standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

## Lung Cancer: Incidence by Age, Maine 2008-2010

	Total		Male		Female	
	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr
40-44 years	14.5 (10.4 - 19.7)	14	15.2 (9.4 - 23.2)	7	13.9 (8.5 - 21.5)	7
45-49 years	40.4 (33.8 - 47.9)	44	38.0 (29.1 - 48.9)	20	42.7 (33.4 - 53.9)	24
50-54 years	79.8 (70.5 - 90.1)	88	80.5 (67.3 - 95.6)	43	79.2 (66.4 - 93.8)	45
55-59 years	112.9 (101.2 - 125.5)	114	127.1 (109.6 - 146.6)	63	99.3 (84.2 - 116.3)	51
60-64 years	182.3 (166.2 - 199.6)	157	195.1 (171.6 - 220.9)	83	169.8 (148.2 - 193.8)	74
65-69 years	332.6 (307.0 - 359.8)	208	375.6 (336.7 - 417.8)	113	292.8 (259.8 - 328.8)	95
70-74 years	438.1 (404.3 - 474.0)	207	506.8 (454.0 - 564.0)	112	377.8 (335.2 - 424.3)	95
75-79 years	532.5 (491.4 - 576.0)	207	594.1 (529.4 - 664.6)	102	483.7 (431.8 - 540.2)	105
80-84 years	512.4 (467.0 - 561.0)	156	651.4 (571.0 - 740.1)	79	421.0 (368.6 - 478.8)	77
85+ years	322.0 (285.1 - 362.3)	92	517.8 (435.8 - 610.6)	47	230.8 (193.5 - 273.2)	45
Maine All Ages	76.2 (73.8 - 78.7)	1,294	88.1 (84.2 - 92.1)	673	67.5 (64.5 - 70.7)	621

## Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count
- "Maine All Ages" includes cases where age is less than 40 years

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission



### Lung Cancer: Incidence by County of Residence, Maine 2008-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	83.8 (74.7 - 93.7)	105	94.3 (80.0 - 110.4)	54	75.6 (63.9 - 88.9)	51
Aroostook	84.1 (74.1 - 95.1)	89	102.7 (86.6 - 121.2)	50	69.1 (56.9 - 83.6)	39
Cumberland	68.2 (63.1 - 73.7)	224	82.4 (73.8 - 91.8)	115	58.5 (52.2 - 65.4)	109
Franklin	69.9 (55.4 - 87.2)	28	90.2 (65.5 - 121.4)	16	57.0 (39.7 - 80.1)	12
Hancock	67.5 (57.2 - 79.4)	52	74.7 (58.6 - 94.2)	26	63.8 (50.2 - 80.5)	26
Kennebec	83.7 (75.5 - 92.7)	128	95.0 (81.9 - 109.6)	66	74.9 (64.5 - 86.7)	63
Knox	70.0 (57.9 - 84.1)	41	88.3 (68.5 - 112.5)	24	56.2 (41.7 - 75.0)	18
Lincoln	56.0 (45.3 - 69.0)	33	56.3 (41.0 - 76.6)	15	57.3 (42.4 - 77.0)	17
Oxford	85.6 (74.1 - 98.5)	68	96.1 (78.2 - 117.1)	35	77.7 (63.0 - 95.3)	33
Penobscot	92.2 (84.3 - 100.8)	167	110.5 (97.5 - 124.8)	90	78.7 (68.8 - 89.7)	77
Piscataquis	69.4 (51.9 - 91.9)	19	85.3 (57.6 - 124.0)	11	54.0 (34.1 - 84.1)	8
Sagadahoc	60.5 (47.7 - 75.8)	27	57.8 (40.1 - 81.2)	12	64.2 (46.3 - 87.3)	15
Somerset	69.2 (58.2 - 81.8)	48	86.1 (68.1 - 107.9)	27	56.5 (43.3 - 73.0)	21
Waldo	80.9 (67.0 - 97.2)	41	78.5 (58.7 - 103.3)	18	81.7 (63.1 - 104.7)	23
Washington	90.7 (75.8 - 108.0)	45	98.0 (75.7 - 125.7)	23	84.5 (65.2 - 108.9)	22
York	72.2 (66.1 - 78.6)	179	81.4 (71.8 - 92.0)	91	65.6 (57.9 - 74.2)	88
Maine	76.2 (73.8 - 78.7)	1,294	88.1 (84.2 - 92.1)	673	67.5 (64.5 - 70.7)	621

### Lung Cancer: Incidence by Public Health District of Residence, Maine, 2008-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	84.1 (74.1 - 95.1)	89	102.7 (86.6 - 121.2)	50	69.1 (56.9 - 83.6)	39
Central	78.6 (71.5 - 86.2)	153	90.8 (79.5 - 103.2)	81	69.2 (60.2 - 79.3)	72
Cumberland	68.2 (63.1 - 73.7)	224	82.4 (73.8 - 91.8)	115	58.5 (52.2 - 65.4)	109
Downeast	76.5 (67.9 - 86.2)	97	83.8 (70.4 - 99.2)	48	71.8 (60.4 - 85.0)	49
Midcoast	66.9 (60.6 - 73.8)	142	71.4 (61.8 - 82.1)	69	64.5 (56.0 - 74.1)	72
Penquis	89.1 (81.8 - 96.9)	186	106.4 (94.6 - 119.4)	101	75.7 (66.7 - 85.8)	85
Western	82.1 (75.6 - 89.1)	200	93.8 (83.5 - 105.0)	105	73.5 (65.1 - 82.7)	95
York	72.2 (66.1 - 78.6)	179	81.4 (71.8 - 92.0)	91	65.6 (57.9 - 74.2)	88
Maine	76.2 (73.8 - 78.7)	1,294	88.1 (84.2 - 92.1)	673	67.5 (64.5 - 70.7)	621

#### Notes:

- County/District rate is significantly higher than Maine rate
- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

#### Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

## Tobacco-related Cancers, Excl. Lung: Incidence by Age, Maine 2008-2010

	Total		Male		Female	
	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr
25-29 years	9.2 (5.6 - 14.2)	7	4.6 (1.5 - 10.8)	2	13.7 (7.7 - 22.5)	5
30-34 years	13.9 (9.4 - 19.9)	10	9.4 (4.5 - 17.3)	3	18.4 (11.2 - 28.4)	7
35-39 years	18.6 (13.6 - 24.8)	15	14.7 (8.7 - 23.3)	6	22.3 (14.8 - 32.2)	9
40-44 years	42.2 (35.0 - 50.5)	40	47.0 (36.2 - 59.9)	22	37.6 (28.3 - 49.1)	18
45-49 years	61.6 (53.3 - 70.7)	67	79.8 (66.6 - 94.9)	43	43.9 (34.4 - 55.2)	24
50-54 years	110.1 (99.1 - 122.0)	121	157.3 (138.6 - 177.9)	85	65.0 (53.4 - 78.4)	37
55-59 years	156.4 (142.7 - 171.2)	158	227.8 (204.1 - 253.5)	112	88.3 (74.2 - 104.4)	46
60-64 years	224.2 (206.3 - 243.3)	193	322.0 (291.6 - 354.7)	137	128.3 (109.6 - 149.4)	56
65-69 years	330.0 (304.5 - 357.0)	206	458.7 (415.6 - 505.1)	138	210.6 (182.8 - 241.5)	68
70-74 years	427.5 (394.2 - 463.0)	202	636.5 (577.2 - 700.2)	141	243.9 (209.9 - 281.8)	61
75-79 years	507.6 (467.5 - 550.2)	197	786.3 (711.6 - 866.8)	135	287.1 (247.5 - 331.4)	62
80-84 years	519.0 (473.3 - 567.8)	158	852.9 (760.5 - 953.5)	103	299.4 (255.5 - 348.7)	55
85+ years	505.1 (458.7 - 555.0)	144	862.9 (756.1 - 980.6)	78	338.5 (293.0 - 389.1)	66
Maine All Ages	90.5 (87.9 - 93.2)	1,526	131.7 (127.0 - 136.6)	1,009	57.4 (54.5 - 60.4)	517

## Notes:

- Tobacco-related cancers excl. Lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia.
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population .
- Abbreviations: Excl. = Excluding; CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

**Tobacco-related Cancers, Excl. Lung: Incidence by County of Residence, Maine, 2008-2010**

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	97.4 (87.5 - 108.1)	121	139.3 (121.7 - 158.9)	77	64.4 (53.7 - 76.8)	44
Aroostook	92.8 (82.0 - 104.7)	94	128.5 (110.1 - 149.4)	61	64.0 (51.4 - 79.1)	33
Cumberland	84.9 (79.2 - 91.0)	283	129.8 (119.0 - 141.2)	187	52.1 (46.1 - 58.7)	95
Franklin	86.0 (69.7 - 105.2)	34	105.2 (79.5 - 137.3)	20	68.6 (48.8 - 94.5)	14
Hancock	87.5 (75.5 - 101.1)	67	129.7 (108.3 - 154.5)	46	54.8 (41.6 - 71.3)	21
Kennebec	90.6 (82.0 - 100.0)	139	130.1 (114.8 - 147.0)	91	58.7 (49.1 - 69.6)	47
Knox	94.8 (80.4 - 111.2)	55	133.4 (108.8 - 162.4)	36	63.6 (47.4 - 84.4)	19
Lincoln	86.6 (72.2 - 103.4)	46	124.1 (99.3 - 154.1)	31	54.5 (39.2 - 75.1)	16
Oxford	100.7 (88.0 - 114.9)	78	152.6 (129.8 - 178.6)	55	54.9 (42.3 - 70.5)	22
Penobscot	91.5 (83.5 - 100.1)	165	135.2 (120.8 - 150.9)	111	55.0 (46.7 - 64.4)	54
Piscataquis	80.6 (61.3 - 105.1)	21	127.6 (93.5 - 172.3)	17	33.2 (16.9 - 60.9)	4
Sagadahoc	89.1 (73.5 - 107.3)	40	115.4 (89.3 - 147.1)	24	68.3 (50.0 - 91.7)	16
Somerset	101.4 (87.7 - 116.8)	68	135.1 (112.1 - 161.7)	42	73.9 (57.7 - 93.6)	25
Waldo	76.8 (62.8 - 93.2)	38	100.7 (77.4 - 129.2)	23	55.8 (40.1 - 76.2)	15
Washington	96.4 (80.5 - 115.0)	46	139.5 (112.0 - 172.3)	32	60.9 (43.1 - 84.2)	14
York	93.1 (86.2 - 100.4)	230	139.2 (126.6 - 152.9)	155	56.2 (49.0 - 64.3)	75
Maine	90.5 (87.9 - 93.2)	1,526	131.7 (127.0 - 136.6)	1,009	57.4 (54.5 - 60.4)	517

**Tobacco-related Cancers, Excl. Lung: Incidence by Public Health District of Residence, Maine, 2008-2010**

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	92.8 (82.0 - 104.7)	94	128.5 (110.1 - 149.4)	61	64.0 (51.4 - 79.1)	33
Central	98.8 (90.7 - 107.4)	189	137.7 (123.6 - 153.1)	120	67.7 (58.6 - 77.9)	69
Cumberland	84.9 (79.2 - 91.0)	283	129.8 (119.0 - 141.2)	187	52.1 (46.1 - 58.7)	95
Downeast	90.7 (81.0 - 101.4)	113	133.4 (116.3 - 152.6)	78	56.6 (45.9 - 69.4)	36
Midcoast	87.1 (79.7 - 95.2)	179	119.0 (106.3 - 132.9)	113	60.7 (52.1 - 70.3)	66
Penquis	90.1 (82.7 - 98.1)	187	134.1 (120.7 - 148.5)	128	52.3 (44.7 - 60.9)	58
Western	96.6 (89.5 - 104.2)	233	137.4 (124.9 - 151.0)	153	62.4 (54.5 - 71.0)	80
York	93.1 (86.2 - 100.4)	230	139.2 (126.6 - 152.9)	155	56.2 (49.0 - 64.3)	75
Maine	90.5 (87.9 - 93.2)	1,526	131.7 (127.0 - 136.6)	1,009	57.4 (54.5 - 60.4)	517

## Notes:

- Tobacco-related cancers excl. Lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: Excl. = Excluding; AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

### Prostate Cancer: Incidence by Age, Maine 2008-2010

	Male	
	Rate (95% CI)	Count/Yr
40-44 years	7.2 (3.5 - 13.3)	3
45-49 years	36.2 (27.5 - 46.8)	19
50-54 years	125.7 (109.0 - 144.3)	68
55-59 years	279.2 (252.9 - 307.5)	138
60-64 years	515.5 (476.8 - 556.4)	219
65-69 years	718.0 (663.7 - 775.4)	216
70-74 years	800.9 (734.2 - 872.0)	177
75-79 years	656.2 (588.1 - 730.1)	113
80-84 years	554.8 (480.8 - 637.1)	67
85+ years	448.0 (372.0 - 534.9)	41
Maine All Ages	129.3 (124.7 - 134.0)	1,061

### Prostate Cancer: Incidence by County of Residence, Maine, 2008-2010

	Male	
	AA Rate (95% CI)	Count/Yr
Androscoggin	151.1 (132.9 - 171.1)	86
Aroostook	106.4 (90.8 - 124.3)	57
Cumberland	122.1 (112.1 - 132.9)	191
Franklin	133.3 (105.1 - 167.4)	27
Hancock	129.6 (109.3 - 153.1)	51
Kennebec	138.5 (123.2 - 155.3)	103
Knox	157.2 (131.4 - 187.4)	45
Lincoln	114.8 (92.5 - 141.9)	32
Oxford	128.8 (108.8 - 151.7)	51
Penobscot	129.5 (115.7 - 144.4)	112
Piscataquis	60.3 (39.7 - 91.3)	9
Sagadahoc	109.3 (85.7 - 138.0)	26
Somerset	122.3 (101.4 - 146.7)	42
Waldo	132.0 (106.3 - 162.5)	34
Washington	140.2 (113.7 - 171.8)	34
York	137.7 (125.4 - 150.9)	161
Maine	129.3 (124.7 - 134.0)	1,061

### Prostate Cancer: Incidence by Public Health District of Residence, Maine, 2008-2010

	Male	
	AA Rate (95% CI)	Count/Yr
Aroostook	106.4 (90.8 - 124.3)	57
Central	140.6 (126.6 - 155.7)	128
Cumberland	122.1 (112.1 - 132.9)	191
Downeast	134.2 (117.8 - 152.5)	85
Midcoast	128.7 (116.2 - 142.3)	136
Penquis	119.8 (107.6 - 133.1)	121
Western	140.5 (128.1 - 153.8)	164
York	137.7 (125.4 - 150.9)	161
Maine	129.3 (124.7 - 134.0)	1,061

#### Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3 /WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count
- "Maine All Ages" includes cases where age is less than 40 years

#### Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

### Female Breast Cancer: Incidence by Age, Maine, 2008-2010

	Female	
	Rate (95% CI)	Count/Yr
25-29 years	10.0 (5.0 - 17.9)	4
30-34 years	29.4 (20.1 - 41.6)	11
35-39 years	58.9 (46.3 - 74.0)	25
40-44 years	121.3 (103.9 - 140.7)	58
45-49 years	181.7 (161.8 - 203.4)	101
50-54 years	209.2 (188.0 - 232.2)	118
55-59 years	268.2 (243.0 - 295.3)	139
60-64 years	350.5 (319.0 - 384.1)	152
65-69 years	442.8 (402.0 - 486.6)	144
70-74 years	422.8 (377.7 - 471.9)	106
75-79 years	465.3 (414.4 - 520.7)	101
80-84 years	406.5 (355.0 - 463.3)	75
85+ years	369.3 (321.7 - 422.0)	72
Maine All Ages	124.5 (120.2 - 128.9)	1,105

#### Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count
- "Maine All Ages" includes cases where age is less than 25 years

#### Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

### Female Breast Cancer: Incidence by County of Residence, Maine, 2008-2010

	Female	
	AA Rate (95% CI)	Count/Yr
Androscoggin	111.6 (97.1 - 127.7)	73
Aroostook	98.9 (83.2 - 117.1)	51
Cumberland	132.6 (122.8 - 142.9)	241
Franklin	117.0 (91.0 - 148.8)	24
Hancock	123.0 (103.2 - 145.9)	49
Kennebec	136.0 (121.4 - 152.1)	110
Knox	123.5 (99.9 - 151.6)	35
Lincoln	112.3 (89.8 - 139.9)	32
Oxford	118.5 (99.3 - 140.7)	47
Penobscot	131.8 (118.5 - 146.2)	125
Piscataquis	134.1 (98.4 - 180.2)	18
Sagadahoc	110.2 (86.3 - 139.0)	26
Somerset	105.0 (86.1 - 127.2)	37
Waldo	133.6 (108.3 - 163.5)	35
Washington	128.9 (102.4 - 160.9)	30
York	129.3 (118.1 - 141.3)	171
Maine	124.5 (120.2 - 128.9)	1,105

### Female Breast Cancer: Incidence by Public Health District of Residence, Maine, 2008-2010

	Female	
	AA Rate (95% CI)	Count/Yr
Aroostook	98.9 (83.2 - 117.1)	51
Central	109.8 (98.1 - 122.6)	110
Cumberland	132.6 (122.8 - 142.9)	241
Downeast	125.2 (109.1 - 143.2)	79
Midcoast	120.4 (108.2 - 133.8)	128
Penquis	132.0 (119.5 - 145.5)	143
Western	114.6 (103.8 - 126.2)	144
York	129.3 (118.1 - 141.3)	171
Maine	124.5 (120.2 - 128.9)	1,105

## Colorectal Cancer: Incidence by Age, Maine, 2008-2010

	Total		Male		Female	
	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr	Rate (95% CI)	Count/Yr
35-39 years	12.5 (8.5 - 17.8)	10	11.5 (6.3 - 19.2)	5	13.5 (7.9 - 21.7)	6
40-44 years	16.7 (12.3 - 22.2)	16	15.9 (10.0 - 24.1)	7	17.4 (11.3 - 25.7)	8
45-49 years	28.5 (23.0 - 34.9)	31	30.6 (22.6 - 40.4)	16	26.5 (19.2 - 35.5)	15
50-54 years	49.0 (41.7 - 57.1)	54	60.1 (48.7 - 73.3)	32	38.4 (29.6 - 40.9)	22
55-59 years	68.3 (59.3 - 78.3)	69	77.1 (63.6 - 92.6)	38	60.0 (48.4 - 73.5)	31
60-64 years	84.6 (73.7 - 96.6)	73	108.1 (90.8 - 127.7)	46	61.5 (48.8 - 76.5)	27
65-69 years	134.3 (118.3 - 152.0)	84	166.2 (140.7 - 195.0)	50	104.8 (85.4 - 127.2)	34
70-74 years	184.8 (163.1 - 208.6)	87	197.6 (165.2 - 234.5)	44	173.6 (145.2 - 206.0)	44
75-79 years	270.1 (241.1 - 301.6)	105	326.2 (278.7 - 379.4)	56	225.7 (190.7 - 265.3)	49
80-84 years	278.1 (244.9 - 314.5)	85	306.4 (252.1 - 369.0)	37	259.5 (218.7 - 305.7)	48
85+ years	361.6 (322.5 - 404.2)	103	370.9 (302.1 - 450.6)	34	357.3 (310.5 - 409.2)	70
Maine All Ages	43.1 (41.3 - 45.0)	724	48.7 (45.8 - 51.8)	368	38.2 (35.9 - 40.6)	356

## Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population
- Abbreviations: CI = Confidence Interval; Count/Yr = Average Annual Count
- "Maine All Ages" includes cases where age is less than 35 years

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

## Colorectal Cancer: Incidence by County of Residence, Maine, 2008-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	42.0 (35.6 - 49.2)	52	53.5 (42.5 - 66.5)	28	35.2 (27.5 - 44.6)	24
Aroostook	52.5 (44.7 - 61.5)	55	59.3 (47.1 - 74.0)	29	45.6 (35.8 - 57.7)	27
Cumberland	40.5 (36.5 - 44.8)	132	46.2 (39.8 - 53.3)	65	35.9 (30.9 - 41.4)	67
Franklin	46.2 (34.3 - 61.2)	18	45.6 (28.5 - 69.5)	8	45.5 (30.2 - 66.7)	10
Hancock	46.0 (37.5 - 56.1)	36	52.6 (39.2 - 69.6)	18	40.4 (29.9 - 54.0)	17
Kennebec	42.5 (36.7 - 49.1)	65	44.2 (35.5 - 54.6)	31	41.3 (33.5 - 50.6)	34
Knox	32.8 (24.9 - 42.9)	20	36.2 (24.2 - 52.9)	10	28.6 (19.0 - 42.5)	10
Lincoln	36.4 (27.6 - 47.6)	20	39.4 (26.2 - 58.0)	10	33.7 (22.7 - 49.8)	10
Oxford	41.4 (33.4 - 50.9)	32	50.3 (37.3 - 66.6)	17	33.4 (24.0 - 45.7)	14
Penobscot	46.7 (41.0 - 52.9)	84	57.0 (47.8 - 67.6)	47	38.8 (31.8 - 46.9)	38
Piscataquis	44.6 (31.0 - 63.5)	12	38.3 (20.6 - 67.6)	5	46.6 (28.7 - 74.7)	7
Sagadahoc	33.8 (24.7 - 45.5)	16	35.4 (21.5 - 55.3)	7	33.2 (21.5 - 49.9)	9
Somerset	38.3 (30.0 - 48.4)	25	36.2 (24.5 - 51.9)	11	40.2 (28.8 - 54.9)	14
Waldo	48.4 (37.8 - 61.3)	25	69.2 (50.4 - 93.2)	16	31.2 (20.3 - 46.9)	9
Washington	50.6 (39.5 - 64.3)	25	55.7 (39.2 - 77.7)	13	44.9 (30.8 - 64.4)	12
York	44.5 (39.7 - 49.7)	108	48.8 (41.4 - 57.1)	54	39.9 (33.9 - 46.9)	54
Maine	43.1 (41.3 - 45.0)	724	48.7 (45.8 - 51.8)	368	38.2 (35.9 - 40.6)	356

## Colorectal Cancer: Incidence by Public Health District of Residence, Maine, 2008-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	52.5 (44.7 - 61.5)	55	59.3 (47.1 - 74.0)	29	45.6 (35.8 - 57.7)	27
Central	40.4 (35.3 - 46.1)	77	46.9 (38.6 - 56.5)	39	36.7 (30.2 - 44.2)	38
Cumberland	40.5 (36.5 - 44.8)	132	46.2 (39.8 - 53.3)	65	35.9 (30.9 - 41.4)	67
Downeast	47.7 (40.8 - 55.5)	61	53.9 (43.2 - 66.7)	31	41.8 (33.3 - 52.3)	29
Midcoast	37.7 (33.0 - 43.0)	81	44.6 (37.1 - 53.4)	43	31.5 (25.8 - 38.2)	38
Penquis	46.3 (41.1 - 52.1)	96	54.3 (45.9 - 63.8)	52	39.8 (33.3 - 47.4)	45
Western	42.3 (37.6 - 47.4)	102	50.8 (43.1 - 59.6)	53	36.2 (30.4 - 42.8)	48
York	44.5 (39.7 - 49.7)	108	48.8 (41.4 - 57.1)	54	39.9 (33.9 - 46.9)	54
Maine	43.1 (41.3 - 45.0)	724	48.7 (45.8 - 51.8)	368	38.2 (35.9 - 40.6)	356

## Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission

## Brain and Other Nervous System Tumors: Incidence by County of Residence, Maine, 2006-2010

	All Behaviors		Malignant		Non-Malignant	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	15.2 (12.1 - 18.7)	18	6.4 (4.4 - 8.9)	7	8.8 (6.5 - 11.5)	11
Aroostook	15.1 (11.6 - 19.4)	14	7.4 (5.0 - 10.6)	7	7.7 (5.2 - 11.0)	7
Cumberland	14.4 (12.6 - 16.5)	45	8.3 (6.9 - 9.9)	25	6.2 (5.0 - 7.6)	19
Franklin	9.7 (5.5 - 16.0)	3	4.3 (1.8 - 9.0)	2	5.4 (2.4 - 10.6)	2
Hancock	14.3 (10.4 - 19.2)	10	7.8 (5.0 - 11.8)	5	6.4 (4.0 - 9.9)	5
Kennebec	15.8 (12.9 - 19.1)	23	8.0 (5.9 - 10.5)	11	7.8 (5.9 - 10.2)	12
Knox	19.2 (14.2 - 25.5)	11	9.6 (6.2 - 14.4)	5	9.6 (6.1 - 14.4)	5
Lincoln	12.8 (8.2 - 19.2)	6	6.6 (3.4 - 11.7)	3	6.1 (3.2 - 10.9)	3
Oxford	14.5 (10.5 - 19.5)	10	6.7 (4.1 - 10.3)	5	7.8 (5.0 - 11.8)	5
Penobscot	17.8 (15.0 - 21.0)	29	8.6 (6.7 - 10.9)	14	9.2 (7.2 - 11.6)	15
Piscataquis	25.9 (16.0 - 39.6)	5	11.8 (6.0 - 21.3)	3	14.1 (6.8 - 25.6)	2
Sagadahoc	14.8 (9.7 - 21.6)	6	6.7 (3.5 - 11.5)	3	8.1 (4.4 - 13.6)	3
Somerset	12.8 (9.1 - 17.7)	8	5.9 (3.5 - 9.5)	4	6.9 (4.3 - 10.7)	4
Waldo	18.7 (13.4 - 25.5)	9	9.0 (5.4 - 14.0)	4	9.8 (6.1 - 15.0)	5
Washington	11.1 (6.8 - 17.2)	5	5.9 (2.9 - 10.7)	2	5.2 (2.5 - 9.8)	2
York	15.9 (13.6 - 18.5)	36	7.8 (6.2 - 9.7)	17	8.1 (6.5 - 10.0)	19
Maine	15.3 (14.4 - 16.3)	235	7.7 (7.1 - 8.4)	117	7.6 (7.0 - 8.3)	118

## Brain and Other Nervous System Tumors: Incidence by Public Health District of Residence, Maine, 2006-2010

	All Behaviors		Malignant		Non-Malignant	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	15.1 (11.6 - 19.4)	14	7.4 (5.0 - 10.6)	7	7.7 (5.2 - 11.0)	7
Central	14.4 (12.0 - 17.2)	26	6.3 (4.7 - 8.3)	11	8.1 (6.4 - 10.2)	15
Cumberland	14.4 (12.6 - 16.5)	45	8.3 (6.9 - 9.9)	25	6.2 (5.0 - 7.6)	19
Downeast	13.0 (10.0 - 16.6)	14	7.0 (4.9 - 9.9)	8	6.0 (4.1 - 8.5)	7
Midcoast	16.5 (13.9 - 19.5)	31	8.0 (6.2 - 10.1)	15	8.5 (6.6 - 10.8)	16
Penquis	18.5 (15.7 - 21.6)	34	9.0 (7.2 - 11.2)	17	9.4 (7.5 - 11.8)	17
Western	14.1 (11.9 - 16.6)	31	6.2 (4.8 - 8.0)	13	7.9 (6.3 - 9.8)	17
York	15.9 (13.6 - 18.5)	36	7.8 (6.2 - 9.7)	17	8.1 (6.5 - 10.0)	19
Maine	15.3 (14.4 - 16.3)	235	7.7 (7.1 - 8.4)	117	7.6 (7.0 - 8.3)	118

## Notes:

- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission



## Age-adjusted Obesity-related Cancer Incidence Rates, Maine and US, 2010

	Total			
	AA Rate (95% CI)	Count	SEER Whites	SEER All races
Adenocarcinoma of the Esophagus	5.7 (4.6 – 7.0)	102	3.1 (2.8 - 3.3)	2.6 (2.4 - 2.8)
Colorectal Cancer	39.6 (36.6 - 42.9)	666	39.2 (38.4 – 40.0)	40.6 (39.9 - 41.3)
Kidney and Renal Pelvis Cancer	14.2 (12.4 - 16.2)	238	14.7 (14.2 - 15.2)	14.8 (14.3 - 15.2)
Cancer of Pancreas	13.6 (11.9 - 15.5)	234	11.9 (11.5 - 12.4)	12.4 (12.0 - 12.8)
Endometrial Cancer	See gender specific rate below			
Post menopausal Breast Cancer	See gender specific rate below			


## Age-adjusted Obesity-related Cancer Incidence Rates among Males, Maine and US, 2010

	Male			
	AA Rate (95% CI)	Count	SEER Whites	SEER All races
Adenocarcinoma of the Esophagus	11.3 (9.1 – 14.0)	93	5.7 (5.3 - 6.2)	4.9 (4.5 - 5.3)
Colorectal Cancer	46.0 (41.2 - 51.2)	352	45.1 (43.8 - 46.4)	46.6 (45.5 - 47.8)
Kidney and Renal Pelvis Cancer	20.2 (17.1 - 23.7)	159	20.2 (19.4 - 21.1)	20.6 (19.8 - 21.4)
Cancer of Pancreas	14.7 (12.1 - 17.8)	115	13.3 (12.6 – 14.0)	13.7 (13.1 - 14.3)

## Age-adjusted Obesity-related Cancer Incidence Rates among Females, Maine and US, 2010

	Female			
	AA Rate (95% CI)	Count	SEER Whites	SEER All races
Adenocarcinoma of the Esophagus	0.9 (0.4 - 1.9)	9	0.8 (0.6 – 1.0)	0.7 (0.6 - 0.8)
Colorectal Cancer	32.3 (28.7 - 36.4)	297	34.3 (33.3 - 35.3)	35.7 (34.8 - 36.6)
Kidney and Renal Pelvis Cancer	9.1 (7.1 - 11.5)	79	9.9 (9.4 - 10.5)	9.8 (9.3 - 10.3)
Cancer of Pancreas	12.8 (10.5 - 15.4)	119	10.8 (10.2 - 11.4)	11.3 (10.8 - 11.8)
Post menopausal Breast Cancer	32.3 (28.7 - 36.4)	297	27.8 (26.9 - 28.7)	27.3 (26.5 - 28.1)
Endometrial Cancer	344.5 (322.5 - 367.7)	927	352.4 (346.3 - 358.6)	341.3 (336.0 - 346.7)

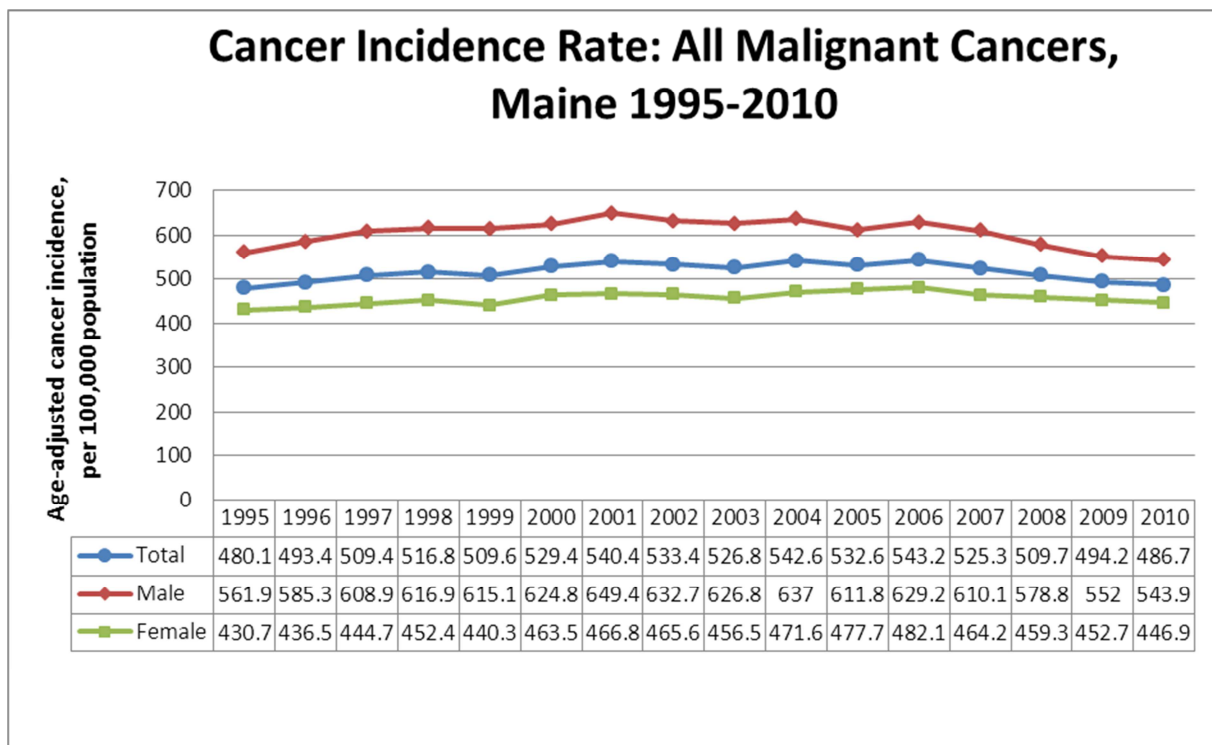
## Notes:

-  Maine rate is significantly higher than SEER White rate
- Obesity-related Cancers = Adenocarcinoma of the Esophagus, cancers of Colon and Rectum, Pancreas, Kidney and Renal Pelvis, Endometrium (Corpus Uteri), and Postmenopausal Breast Cancer. Postmenopausal Breast Cancer include malignant breast cancer cases diagnosed among females with age 50 years or greater
- Incidence case definitions are based on SEER Site Recode ICD-O-3/WHO 2008
- Incidence case definitions exclude histologies consistent with Kaposi sarcoma and mesothelioma, where applicable
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; SEER = Surveillance, Epidemiology, and End Results; Count/Yr = Average Annual Count

## Data Sources:

- Maine Cancer Registry, 1995-2010 NPCR-CSS submission
- National Incidence: Surveillance, Epidemiology and End Results, SEER 9 Research Data, Nov 2012 Sub (1973-2010)

## Age-adjusted Incidence of all Malignant Cancers, Maine 1995-2010



## Cancer Incidence Rates: All Malignant Cancers, Maine 1995-2010 Maine

Year	Total	Male	Female
	AA Rate (95% CI)	AA Rate	AA Rate
1995	480.1 (468.3 - 492.1)	561.9 (542.3 - 582.1)	430.7 (415.5 - 446.4)
1996	493.4 (481.6 - 505.6)	585.3 (565.4 - 605.8)	436.5 (421.3 - 452.0)
1997	509.4 (497.4 - 521.6)	608.9 (588.7 - 629.5)	444.7 (429.6 - 460.2)
1998	516.8 (504.8 - 528.9)	616.9 (596.8 - 637.5)	452.4 (437.2 - 468.0)
1999	509.6 (497.8 - 521.5)	615.1 (595.3 - 635.4)	440.3 (425.5 - 455.5)
2000	529.4 (517.5 - 541.4)	624.8 (605.1 - 644.9)	463.5 (448.4 - 478.9)
2001	540.4 (528.5 - 552.6)	649.4 (629.5 - 669.7)	466.8 (451.7 - 482.2)
2002	533.4 (521.6 - 545.3)	632.7 (613.3 - 652.5)	465.6 (450.7 - 480.9)
2003	526.8 (515.3 - 538.6)	626.8 (607.7 - 646.3)	456.5 (441.8 - 471.6)
2004	542.6 (531.0 - 554.5)	637.0 (618.1 - 656.5)	471.6 (456.8 - 486.8)
2005	532.6 (521.1 - 544.3)	611.8 (593.2 - 630.7)	477.7 (462.9 - 493.0)
2006	543.2 (531.7 - 554.9)	629.2 (610.6 - 648.2)	482.1 (467.3 - 497.4)
2007	525.3 (514.0 - 536.7)	610.1 (592.0 - 628.6)	464.2 (449.7 - 479.1)
2008	509.7 (498.7 - 520.9)	578.8 (561.4 - 596.7)	459.3 (444.9 - 474.0)
2009	494.2 (483.4 - 505.2)	552.0 (535.1 - 569.4)	452.7 (438.5 - 467.3)
2010	486.7 (476.1 - 497.6)	543.9 (527.3 - 561.0)	446.9 (432.7 - 461.4)

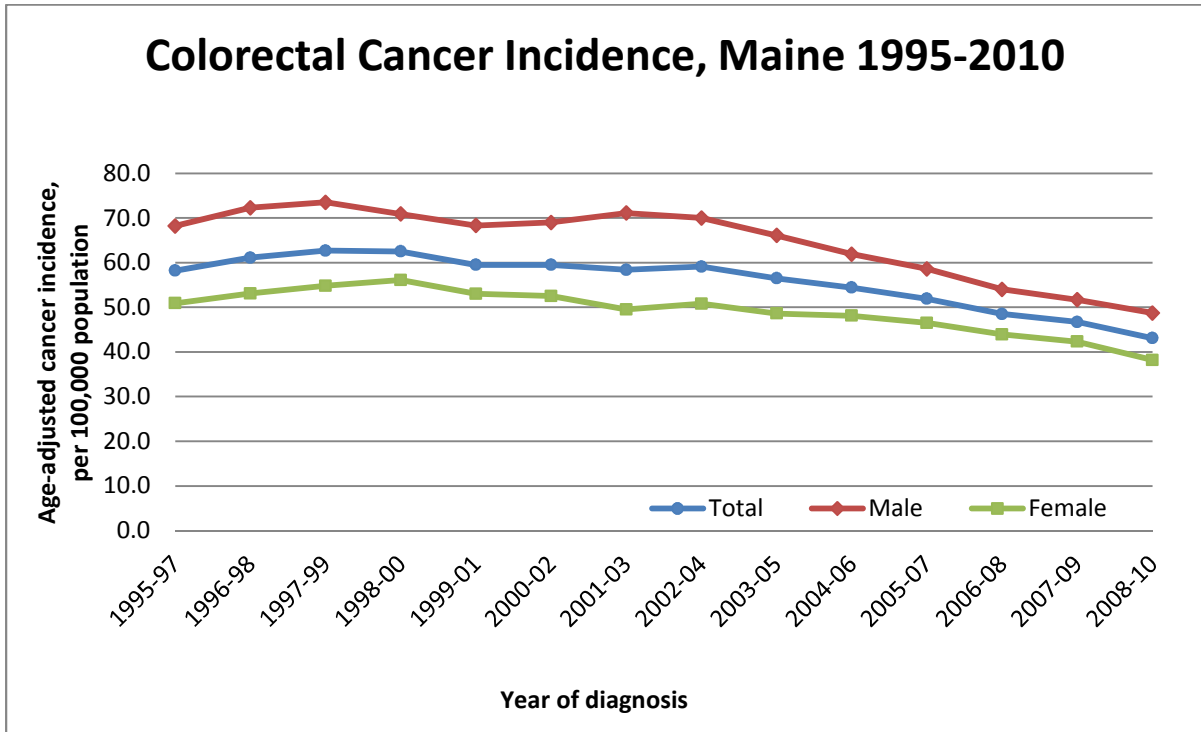
## Notes:

- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population

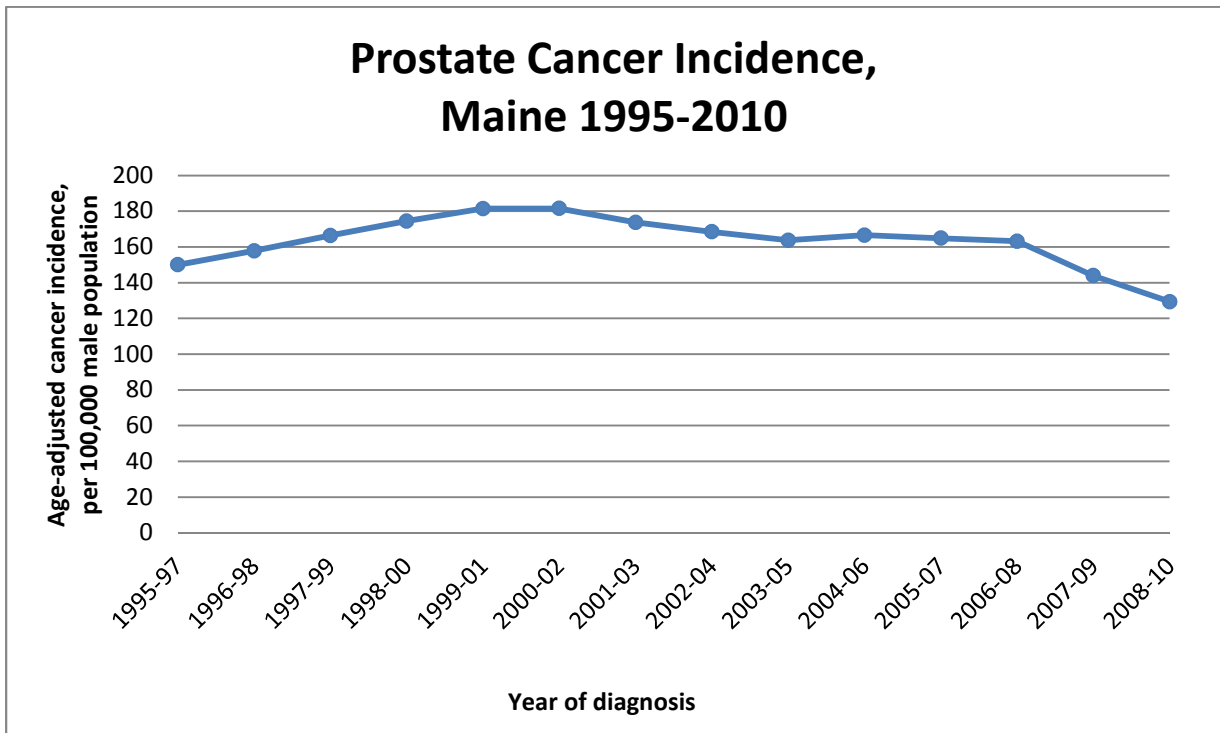
## Data Sources:

- Maine Incidence: Maine Cancer Registry, 1995-2010 NPCR-CSS submission

## Age-adjusted Incidence of Colorectal Cancer, Maine 1995-2010



## Age-adjusted Incidence of Prostate Cancer, Maine 1995-2010



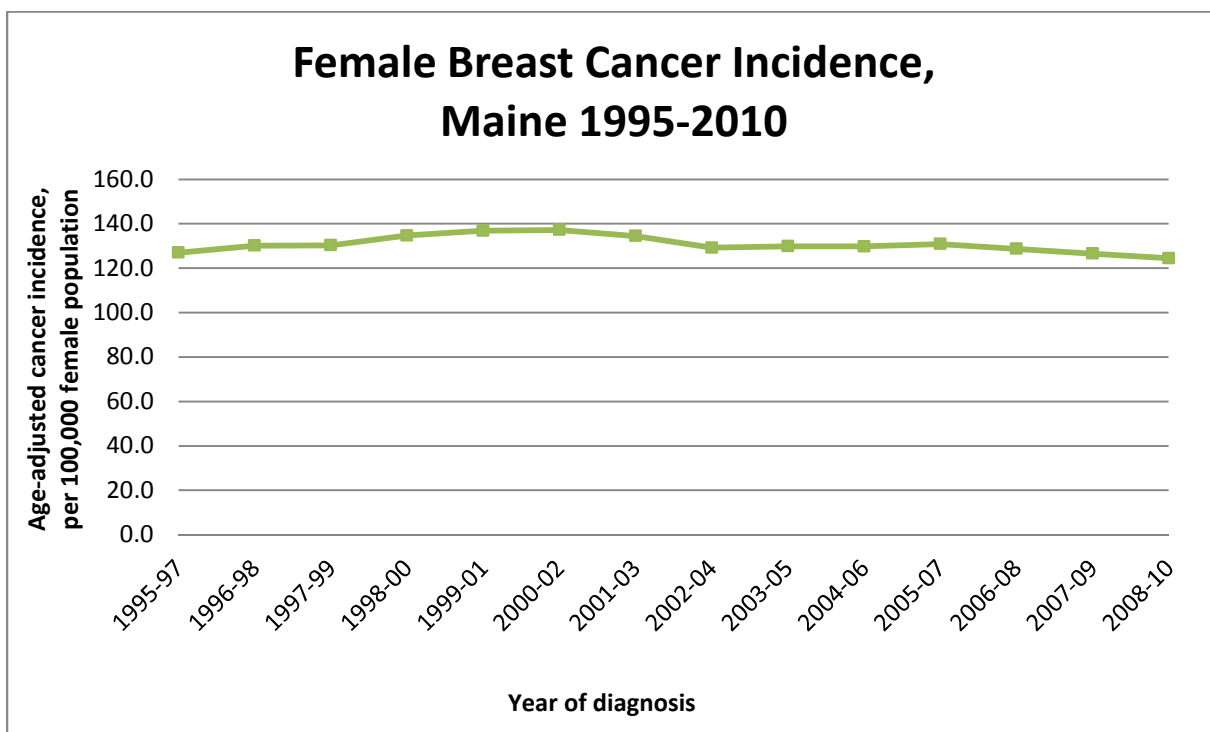
#### Data Sources:

- Data Source: Maine Incidence: Maine Cancer Registry, 1995-2010 NPCR-CSS submission

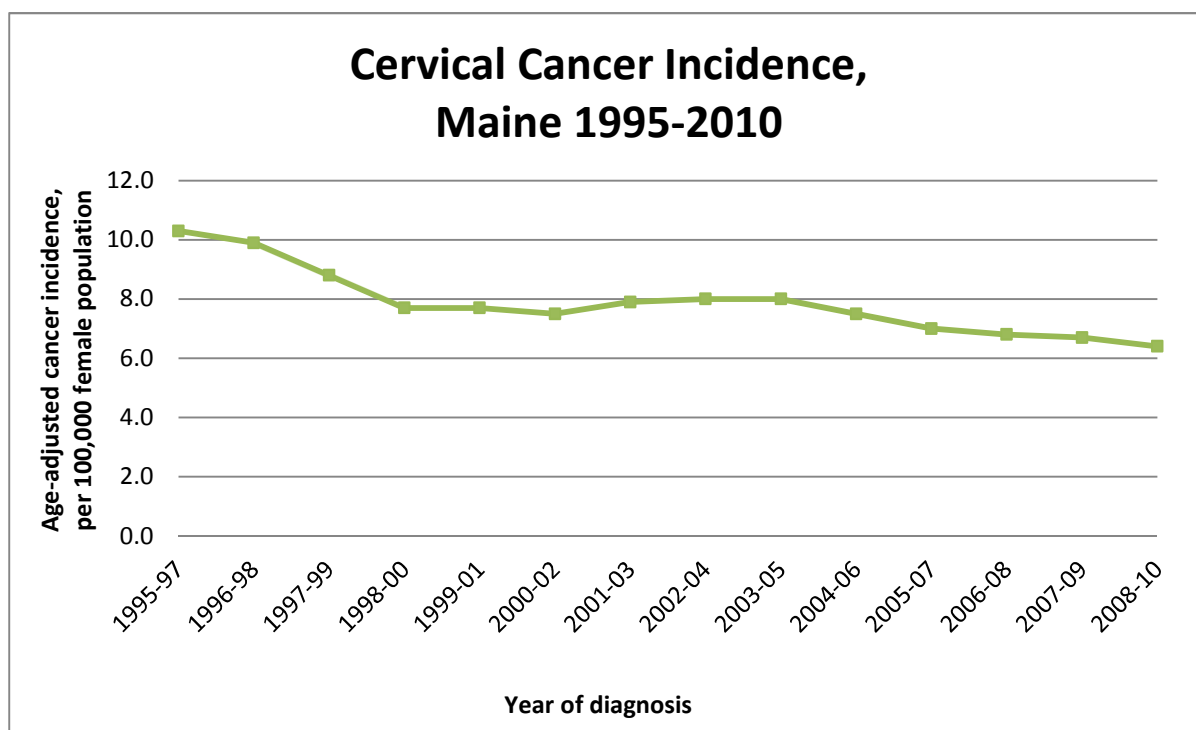
#### Notes:

- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population

## Age-adjusted Incidence of Breast Cancer among Females, Maine 1995-2010



## Age-adjusted Incidence of Cervical Cancer among Females, Maine 1995-2010



#### Data Sources:

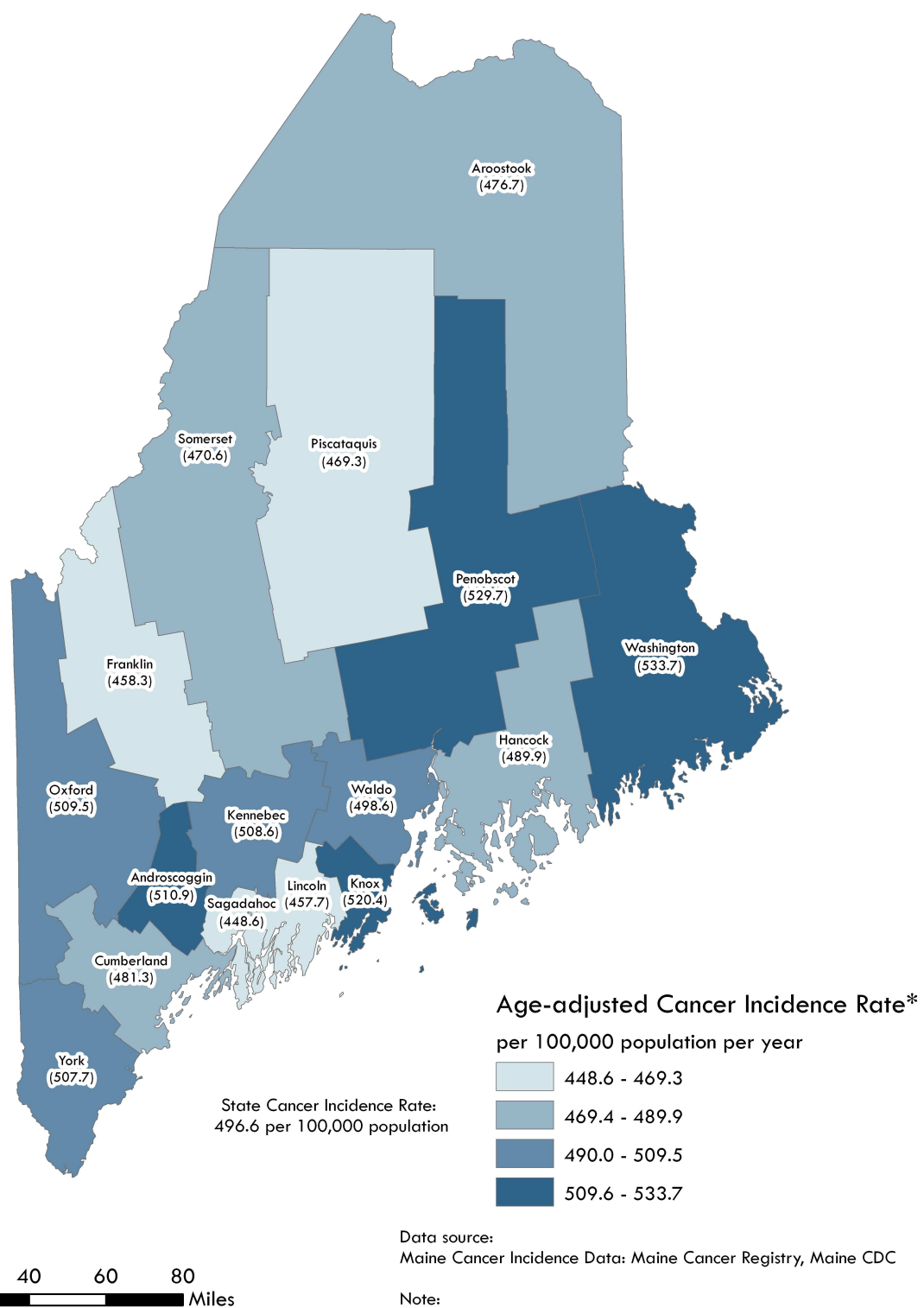
- Data Source: Maine Incidence: Maine Cancer Registry, 1995-2010 NPCR-CSS submission

#### Notes:

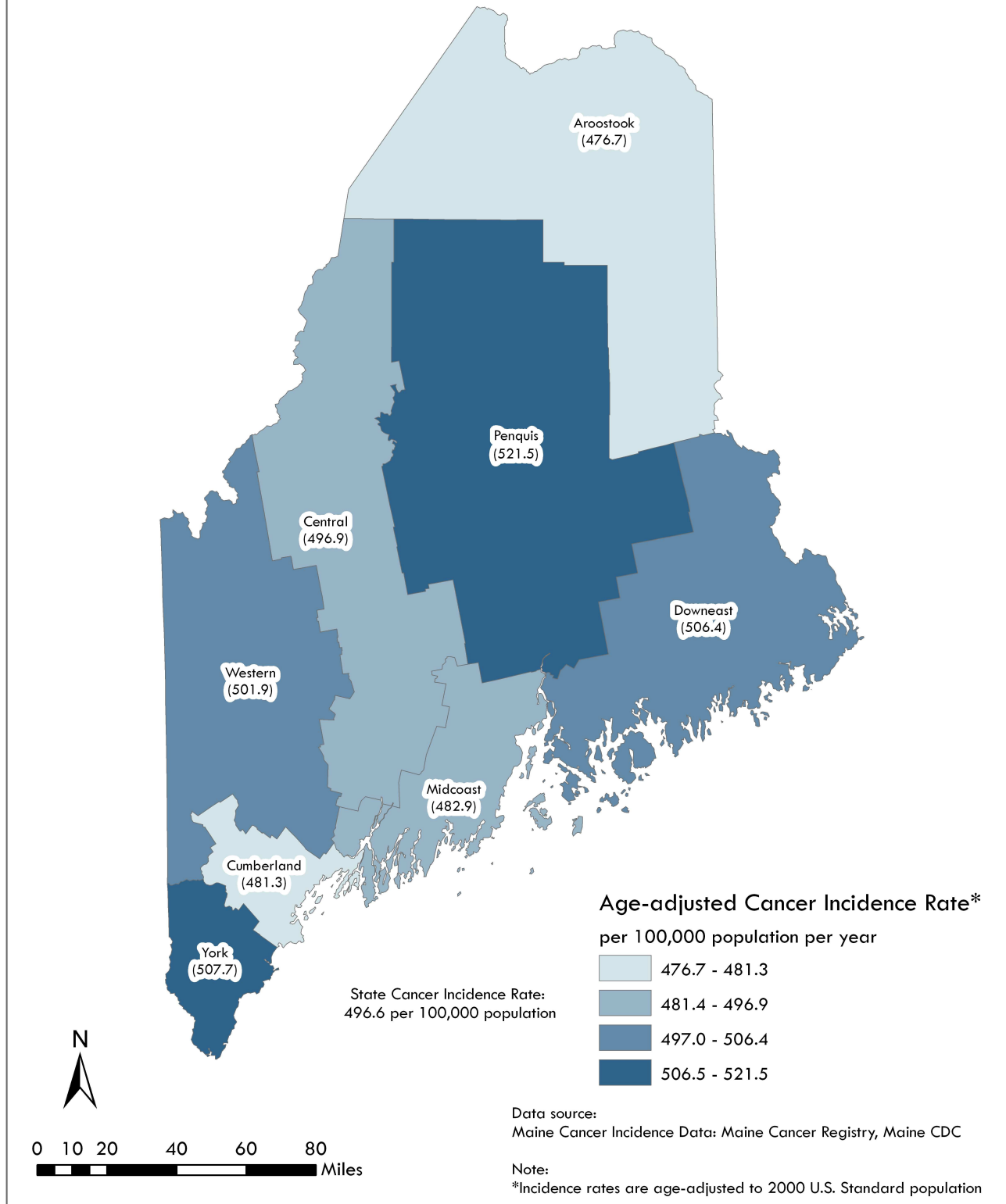
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population

# CANCER INCIDENCE MAPS

## Cancer Incidence Rate for All Sites Combined by County, Maine 2008-2010



## Cancer Incidence Rate for All Sites Combined by Public Health District, Maine 2008-2010




# CANCER RELATED MORTALITY



**MORTALITY: STATE AND NATIONAL COMPARISONS****Age-adjusted Cancer Mortality Rate by Site, Maine 2010**

	<b>Total</b>			
	<b>AA Rate (95% CI)</b>	<b>Count</b>	<b>US Whites</b>	<b>US All Races</b>
All Malignant Cancers	186.6 (180.2 - 193.3)	3,247	171.4 (170.9 - 171.8)	171.8 (171.3 - 172.2)
Lung and Bronchus	55.1 (51.6 - 58.8)	957	48.1 (47.9 - 48.4)	47.4 (47.2 - 47.7)
Tobacco-related, excl. Lung	37.3 (34.4 - 40.3)	646	34.4 (34.2 - 34.6)	34.6 (34.4 - 34.8)
Colon and Rectum	16.4 (14.5 - 18.4)	290	15.0 (14.9 - 15.2)	15.5 (15.4 - 15.6)
Breast	See page 28 for gender specific rates			
Prostate	See page 29 for gender specific rates			
Pancreas	11.6 (10.0 - 13.4)	198	10.9 (10.8 - 11.0)	11.0 (10.9 - 11.1)
Leukemia	7.5 (6.2 - 9.0)	125	7.2 (7.1 - 7.3)	6.9 (6.8 - 7.0)
Esophagus	6.3 (5.2 - 7.6)	112	4.4 (4.3 - 4.5)	4.3 (4.2 - 4.3)
Liver & Intrahep. Bile Duct	6.0 (4.9 - 7.4)	108	5.5 (5.4 - 5.6)	5.9 (5.8 - 6.0)
Urinary Bladder	6.1 (5.0 - 7.5)	106	4.6 (4.6 - 4.7)	4.4 (4.4 - 4.5)
Non-Hodgkin Lymphoma	6.1 (4.9 - 7.4)	103	6.4 (6.3 - 6.5)	6.1 (6.1 - 6.2)
Brain and Other Nervous System	5.0 (4.0 - 6.2)	85	4.6 (4.5 - 4.7)	4.2 (4.2 - 4.3)
Myeloma	3.8 (3.0 - 4.9)	68	3.1 (3.0 - 3.1)	3.3 (3.3 - 3.4)
Kidney and Renal Pelvis	3.4 (2.6 - 4.4)	60	4.0 (4.0 - 4.1)	3.9 (3.9 - 4.0)
Acute Myeloid Leukemia	3.6 (2.7 - 4.7)	58	2.9 (2.8 - 3.0)	2.8 (2.7 - 2.9)
Melanoma of the Skin	3.1 (2.3 - 4.0)	54	3.2 (3.1 - 3.2)	2.7 (2.7 - 2.8)
Oral Cavity and Pharynx	2.3 (1.6 - 3.1)	41	2.4 (2.4 - 2.5)	2.5 (2.4 - 2.5)
Stomach	2.2 (1.6 - 3.0)	39	3.0 (2.9 - 3.1)	3.4 (3.4 - 3.5)
Larynx	1.1 (0.6 - 1.7)	19	1.0 (1.0 - 1.1)	1.1 (1.0 - 1.1)
Thyroid	~	~	0.5 (0.5 - 0.5)	0.5 (0.5 - 0.5)
Hodgkin Lymphoma	~	~	0.4 (0.4 - 0.4)	0.4 (0.4 - 0.4)
Ovary	See page 29 for gender specific rates			
Corpus Uteri	See page 29 for gender specific rates			
Cervix Uteri	See page 29 for gender specific rates			
Testis	See page 28 for gender specific rates			

**Notes:**

-  Maine rate is significantly higher than US White rate
- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Excl. = Excluding; Intrahep.= Intrahepatic
- Tobacco-related cancers, excl. lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia
- ~ Rates and counts are suppressed due to fewer than 10 cases


**Data Sources:**

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2010)

## Age-adjusted Cancer Mortality Rates by Site, Maine 2010

	Male			
	AA Rate (95% CI)	Count	US Whites	US All Races
All Malignant Cancers	226.0 (215.2 - 237.3)	1,717	207.1 (206.3 - 207.9)	208.8 (208.0 - 209.6)
Lung and Bronchus	66.1 (60.4 - 72.3)	513	59.9 (59.5 - 60.4)	60.1 (59.7 - 60.5)
Tobacco-related, excl. Lung	53.6 (48.4 - 59.2)	413	47.8 (47.4 - 48.2)	47.7 (47.3 - 48.0)
Colon and Rectum	20.9 (17.7 - 24.6)	158	18.1 (17.9 - 18.4)	18.7 (18.5 - 19.0)
Prostate	21.0 (17.6 - 24.7)	144	20.1 (19.8 - 20.4)	21.8 (21.6 - 22.1)
Pancreas	12.8 (10.4 - 15.7)	98	12.6 (12.4 - 12.8)	12.7 (12.5 - 12.9)
Esophagus	11.1 (8.8 - 13.7)	89	7.8 (7.6 - 8.0)	7.5 (7.4 - 7.7)
Urinary Bladder	11.6 (9.2 - 14.4)	84	8.1 (8.0 - 8.3)	7.7 (7.6 - 7.9)
Leukemia	11.3 (9.0 - 14.1)	83	9.6 (9.4 - 9.8)	9.3 (9.1 - 9.4)
Liver & Intrahep. Bile Duct	8.9 (6.9 - 11.3)	72	8.0 (7.8 - 8.2)	8.7 (8.6 - 8.9)
Non-Hodgkin Lymphoma	7.4 (5.5 - 9.8)	53	8.1 (8.0 - 8.3)	7.8 (7.7 - 8.0)
Brain and Other Nervous System	6.1 (4.4 - 8.2)	47	5.6 (5.5 - 5.8)	5.2 (5.1 - 5.3)
Kidney and Renal Pelvis	5.5 (3.9 - 7.6)	41	5.9 (5.7 - 6.0)	5.7 (5.6 - 5.8)
Melanoma of the Skin	4.9 (3.4 - 6.8)	38	4.7 (4.6 - 4.8)	4.1 (4.0 - 4.2)
Acute Myeloid Leukemia	4.9 (3.4 - 6.8)	36	3.8 (3.7 - 3.9)	3.6 (3.5 - 3.7)
Myeloma	3.9 (2.6 - 5.6)	30	3.9 (3.8 - 4.0)	4.2 (4.1 - 4.3)
Oral Cavity and Pharynx	2.9 (1.9 - 4.4)	25	3.7 (3.6 - 3.8)	3.8 (3.7 - 3.9)
Stomach	2.8 (1.8 - 4.4)	23	4.0 (3.9 - 4.1)	4.6 (4.5 - 4.8)
Larynx	2.0 (1.1 - 3.3)	17	1.9 (1.8 - 1.9)	1.9 (1.9 - 2.0)
Thyroid	~	~	0.5 (0.5 - 0.6)	0.5 (0.5 - 0.5)
Hodgkin Lymphoma	~	~	0.5 (0.5 - 0.6)	0.5 (0.5 - 0.5)
Testis	~	~	0.3 (0.3 - 0.3)	0.3 (0.2 - 0.3)
Breast	~	~	0.3 (0.3 - 0.3)	0.3 (0.3 - 0.3)

## Notes:

-  Maine rate is significantly higher than US White rate
- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Excl. = Excluding; Intrahep.= Intrahepatic
- Tobacco-related cancers, excl. lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia
- ~ Rates and counts are suppressed due to fewer than 10 cases


## Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2010)

## Age-adjusted Cancer Mortality Rates by Site, Maine 2010

	Female			
	AA Rate (95% CI)	Count	US Whites	US All Races
All Malignant Cancers	158.5 (150.5 - 166.9)	1,530	145.9 (145.3 - 146.5)	145.7 (145.2 - 146.3)
Lung and Bronchus	47.0 (42.7 - 51.7)	444	39.2 (38.9 - 39.5)	37.9 (37.7 - 38.2)
Tobacco-related, excl. Lung	24.3 (21.2 - 27.8)	233	24.1 (23.9 - 24.4)	24.6 (24.4 - 24.9)
Breast	20.1 (17.3 - 23.2)	195	21.3 (21.1 - 21.6)	21.9 (21.7 - 22.1)
Colon and Rectum	13.1 (10.9 - 15.6)	132	12.6 (12.4 - 12.8)	13.0 (12.8 - 13.2)
Pancreas	10.4 (8.4 - 12.7)	100	9.4 (9.3 - 9.6)	9.6 (9.4 - 9.7)
Ovary	9.1 (7.3 - 11.3)	90	8.1 (8.0 - 8.3)	7.8 (7.7 - 7.9)
Non-Hodgkin Lymphoma	5.0 (3.7 - 6.7)	50	5.0 (4.9 - 5.1)	4.9 (4.8 - 5.0)
Leukemia	4.6 (3.3 - 6.4)	42	5.4 (5.2 - 5.5)	5.2 (5.1 - 5.3)
Brain and Other Nervous System	4.1 (2.9 - 5.8)	38	3.7 (3.6 - 3.8)	3.4 (3.3 - 3.5)
Myeloma	3.8 (2.7 - 5.3)	38	2.4 (2.4 - 2.5)	2.7 (2.6 - 2.8)
Liver & Intrahep. Bile Duct	3.8 (2.6 - 5.3)	36	3.3 (3.2 - 3.4)	3.3 (3.2 - 3.4)
Corpus Uteri	2.5 (1.7 - 3.8)	26	1.8 (1.8 - 1.9)	1.9 (1.9 - 2.0)
Esophagus	2.3 (1.4 - 3.5)	23	1.6 (1.5 - 1.7)	1.6 (1.6 - 1.7)
Acute Myeloid Leukemia	2.6 (1.6 - 4.1)	22	2.2 (2.2 - 2.3)	2.2 (2.1 - 2.2)
Urinary Bladder	2.2 (1.3 - 3.4)	22	2.2 (2.1 - 2.3)	2.2 (2.1 - 2.3)
Kidney and Renal Pelvis	2.0 (1.2 - 3.2)	19	2.6 (2.5 - 2.7)	2.5 (2.4 - 2.6)
Melanoma of the Skin	1.8 (1.0 - 3.0)	16	2.0 (1.9 - 2.0)	1.7 (1.6 - 1.8)
Oral Cavity and Pharynx	1.7 (0.9 - 2.8)	16	1.4 (1.3 - 1.5)	1.4 (1.3 - 1.5)
Stomach	1.6 (0.9 - 2.7)	16	2.2 (2.1 - 2.3)	2.5 (2.4 - 2.6)
Cervix Uteri	1.4 (0.7 - 2.5)	13	2.1 (2.0 - 2.2)	2.3 (2.2 - 2.3)
Thyroid	~	~	0.5 (0.5 - 0.5)	0.5 (0.5 - 0.5)
Hodgkin Lymphoma	~	~	0.3 (0.3 - 0.3)	0.3 (0.3 - 0.3)
Larynx	~	~	0.4 (0.3 - 0.4)	0.4 (0.4 - 0.4)

## Notes:

-  Maine rate is significantly higher than US White rate
- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Excl. = Excluding; Intrahep.= Intrahepatic
- Tobacco-related cancers, excl. lung = laryngeal, oral cavity and pharynx, esophageal, stomach, pancreatic, kidney and renal pelvis, urinary bladder, cervical cancers, and acute myeloid leukemia
- ~ Rates and counts are suppressed due to fewer than 10 cases

## Data Sources:

- Maine and U.S. Mortality: National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2010)

## All Cancers: Mortality by County of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	193.3 (182.5 - 204.7)	241	239.1 (220.4 - 258.9)	126	162.8 (149.6 - 177.0)	115
Aroostook	193.8 (181.9 - 206.4)	203	235.2 (215.3 - 256.7)	107	164.9 (150.1 - 181.0)	96
Cumberland	176.9 (170.5 - 183.6)	581	223.5 (212.1 - 235.3)	300	147.8 (140.0 - 156.0)	282
Franklin	192.6 (173.1 - 213.8)	74	236.5 (203.6 - 273.3)	40	163.6 (139.5 - 191.0)	34
Hancock	179.7 (166.4 - 194.0)	137	214.2 (191.9 - 238.4)	71	159.1 (142.1 - 177.8)	67
Kennebec	204.2 (194.0 - 214.9)	306	245.6 (228.6 - 263.5)	160	175.5 (162.8 - 189.1)	146
Knox	171.9 (157.2 - 187.8)	104	219.6 (194.7 - 247.2)	58	136.9 (119.2 - 156.9)	46
Lincoln	168.1 (152.9 - 184.7)	94	203.6 (178.5 - 231.6)	49	143.9 (124.9 - 165.6)	44
Oxford	203.6 (189.5 - 218.7)	157	251.4 (227.7 - 277.0)	86	169.4 (152.0 - 188.5)	71
Penobscot	193.9 (184.7 - 203.4)	342	238.9 (223.4 - 255.3)	183	162.0 (150.8 - 173.8)	160
Piscataquis	201.1 (177.1 - 227.9)	53	248.8 (208.9 - 294.9)	30	163.0 (134.5 - 197.1)	24
Sagadahoc	182.9 (165.2 - 202.1)	81	221.2 (191.3 - 254.5)	42	158.9 (137.0 - 183.7)	39
Somerset	201.7 (186.6 - 217.9)	134	242.2 (217.0 - 269.6)	71	171.6 (153.0 - 192.2)	63
Waldo	186.6 (169.5 - 205.0)	91	220.0 (191.6 - 251.6)	46	164.8 (143.5 - 188.6)	45
Washington	209.3 (191.1 - 228.9)	101	267.8 (236.8 - 302.1)	57	167.9 (145.9 - 192.7)	44
York	180.4 (172.9 - 188.3)	436	221.9 (209.0 - 235.4)	230	152.4 (143.1 - 162.2)	207
Maine	187.7 (184.8 - 190.7)	3,135	231.1 (226.1 - 236.2)	1,653	158.3 (154.7 - 162.0)	1,481

## All Cancers: Mortality by Public Health District of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	193.8 (181.9 - 206.4)	203	235.2 (215.3 - 256.7)	107	164.9 (150.1 - 181.0)	96
Central	203.3 (194.8 - 212.0)	441	244.4 (230.2 - 259.2)	232	174.1 (163.6 - 185.3)	209
Cumberland	176.9 (170.5 - 183.6)	581	223.5 (212.1 - 235.3)	300	147.8 (140.0 - 156.0)	282
Downeast	190.7 (179.9 - 202.1)	238	234.6 (216.4 - 254.2)	127	161.7 (148.2 - 176.3)	111
Midcoast	176.5 (168.4 - 184.9)	369	215.1 (201.5 - 229.4)	194	149.9 (139.9 - 160.6)	174
Penquis	194.7 (186.1 - 203.5)	396	239.8 (225.3 - 255.0)	212	162.2 (151.8 - 173.3)	183
Western	196.3 (188.4 - 204.5)	471	242.3 (228.8 - 256.3)	252	165.1 (155.3 - 175.3)	220
York	180.4 (172.9 - 188.3)	436	221.9 (209.0 - 235.4)	230	152.4 (143.1 - 162.2)	207
Maine	187.7 (184.8 - 190.7)	3,135	231.1 (226.1 - 236.2)	1,653	158.3 (154.7 - 162.0)	1,481

## Notes:

- County/District rate is significantly higher than Maine rate
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

## Data Sources:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2010)

### Lung Cancer: Mortality by County of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	60.8 (54.8 - 67.3)	75	71.9 (62.0 - 82.8)	40	52.3 (44.8 - 60.7)	36
Aroostook	60.4 (54.0 - 67.6)	64	83.3 (71.9 - 96.2)	39	43.2 (35.8 - 51.8)	25
Cumberland	51.6 (48.1 - 55.3)	166	67.0 (60.8 - 73.6)	90	41.3 (37.2 - 45.8)	77
Franklin	58.9 (48.5 - 71.1)	23	72.4 (55.4 - 93.3)	13	48.1 (35.6 - 64.1)	10
Hancock	52.2 (45.1 - 60.3)	39	57.8 (46.7 - 71.0)	20	48.4 (39.2 - 59.5)	20
Kennebec	60.2 (54.7 - 66.1)	90	72.4 (63.4 - 82.3)	48	50.9 (44.2 - 58.4)	42
Knox	46.4 (38.9 - 55.1)	28	60.8 (48.1 - 76.1)	16	35.0 (26.4 - 46.2)	12
Lincoln	45.3 (37.6 - 54.3)	26	53.4 (41.1 - 68.9)	13	40.4 (30.8 - 52.8)	12
Oxford	60.7 (53.1 - 69.1)	47	77.8 (65.0 - 92.5)	27	48.4 (39.4 - 59.3)	20
Penobscot	63.2 (58.1 - 68.7)	112	79.5 (70.8 - 89.0)	63	50.6 (44.4 - 57.4)	49
Piscataquis	54.1 (42.3 - 68.9)	15	73.6 (53.5 - 100.1)	9	37.7 (24.6 - 56.9)	5
Sagadahoc	60.8 (50.8 - 72.3)	27	66.5 (50.9 - 85.6)	13	57.2 (44.3 - 72.9)	14
Somerset	61.1 (52.9 - 70.2)	41	79.7 (65.8 - 95.9)	24	46.8 (37.4 - 58.2)	17
Waldo	56.1 (47.0 - 66.6)	27	61.8 (47.5 - 79.2)	13	51.8 (40.2 - 66.1)	14
Washington	63.8 (54.1 - 75.0)	32	80.4 (64.3 - 99.9)	18	52.0 (40.3 - 66.7)	14
York	51.2 (47.2 - 55.5)	124	62.9 (56.1 - 70.2)	66	43.0 (38.1 - 48.4)	57
Maine	56.1 (54.5 - 57.8)	937	69.9 (67.2 - 72.8)	513	46.0 (44.1 - 48.1)	424

### Lung Cancer: Mortality by Public Health District of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	60.4 (54.0 - 67.6)	64	83.3 (71.9 - 96.2)	39	43.2 (35.8 - 51.8)	25
Central	60.4 (55.8 - 65.2)	131	74.5 (66.9 - 82.8)	72	49.6 (44.1 - 55.7)	59
Cumberland	51.6 (48.1 - 55.3)	166	67.0 (60.8 - 73.6)	90	41.3 (37.2 - 45.8)	77
Downeast	56.6 (50.8 - 63.0)	71	66.6 (57.2 - 77.2)	37	49.5 (42.2 - 57.9)	34
Midcoast	51.4 (47.1 - 56.1)	108	60.0 (53.1 - 67.7)	56	45.4 (39.9 - 51.5)	52
Penquis	62.0 (57.2 - 67.0)	127	78.6 (70.5 - 87.3)	72	48.9 (43.3 - 55.2)	55
Western	60.4 (56.0 - 65.0)	146	73.8 (66.6 - 81.6)	80	50.4 (45.0 - 56.3)	66
York	51.2 (47.2 - 55.5)	124	62.9 (56.1 - 70.2)	66	43.0 (38.1 - 48.4)	57
Maine	56.1 (54.5 - 57.8)	937	69.9 (67.2 - 72.8)	513	46.0 (44.1 - 48.1)	424

#### Notes:

- County/District rate is significantly higher than Maine rate
- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

#### Data Sources:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2010)

### Tobacco-related Cancers, Excl. Lung: Mortality by County of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	42.8 (37.8 - 48.4)	53	61.7 (52.4 - 72.1)	33	27.9 (22.7 - 34.1)	21
Aroostook	37.3 (32.2 - 43.2)	39	49.4 (40.4 - 59.9)	22	28.5 (22.6 - 35.9)	16
Cumberland	35.3 (32.5 - 38.3)	117	51.6 (46.3 - 57.4)	72	23.4 (20.4 - 26.8)	45
Franklin	35.1 (27.2 - 44.7)	14	39.1 (26.9 - 55.3)	7	32.2 (22.1 - 45.9)	7
Hancock	31.6 (26.2 - 38.0)	24	49.5 (39.0 - 62.1)	16	18.3 (13.1 - 25.5)	8
Kennebec	41.4 (36.9 - 46.4)	62	59.0 (50.8 - 68.1)	39	27.8 (22.8 - 33.6)	23
Knox	36.8 (30.1 - 44.7)	22	57.9 (45.4 - 73.0)	15	19.1 (13.0 - 27.7)	7
Lincoln	31.9 (25.5 - 39.6)	18	39.6 (29.2 - 53.1)	10	25.5 (18.1 - 35.8)	8
Oxford	45.6 (39.0 - 53.0)	35	67.2 (55.4 - 81.0)	23	28.2 (21.4 - 36.9)	12
Penobscot	34.3 (30.5 - 38.4)	61	47.1 (40.4 - 54.7)	36	24.6 (20.4 - 29.5)	25
Piscataquis	38.4 (28.5 - 51.3)	10	53.1 (35.9 - 76.8)	7	27.1 (16.3 - 44.2)	4
Sagadahoc	35.4 (27.8 - 44.6)	15	48.6 (35.3 - 65.3)	9	24.9 (16.6 - 36.1)	6
Somerset	39.2 (32.7 - 46.8)	26	49.8 (39.0 - 62.8)	15	30.0 (22.5 - 39.6)	11
Waldo	33.0 (26.2 - 41.3)	16	46.6 (34.3 - 62.0)	10	21.8 (14.7 - 31.6)	6
Washington	42.5 (34.6 - 52.0)	21	63.3 (48.9 - 81.0)	14	25.8 (17.7 - 37.0)	7
York	37.5 (34.1 - 41.2)	91	56.4 (50.0 - 63.4)	59	22.8 (19.4 - 26.8)	32
Maine	37.3 (35.9 - 38.6)	624	53.2 (50.8 - 55.6)	388	24.9 (23.5 - 26.4)	236

### Tobacco-related Cancers, Excl. Lung: Mortality by Public Health District of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	37.3 (32.2 - 43.2)	39	49.4 (40.4 - 59.9)	22	28.5 (22.6 - 35.9)	16
Central	40.8 (37.0 - 44.9)	88	56.3 (49.7 - 63.6)	54	28.5 (24.3 - 33.3)	34
Cumberland	35.3 (32.5 - 38.3)	117	51.6 (46.3 - 57.4)	72	23.4 (20.4 - 26.8)	45
Downeast	35.7 (31.1 - 40.9)	45	54.7 (46.1 - 64.6)	30	21.1 (16.5 - 26.8)	15
Midcoast	34.3 (30.7 - 38.1)	72	48.1 (41.9 - 55.1)	45	22.6 (18.9 - 26.9)	27
Penquis	34.9 (31.3 - 38.8)	71	48.0 (41.6 - 55.1)	43	25.0 (21.0 - 29.6)	28
Western	42.5 (38.8 - 46.4)	102	59.8 (53.2 - 66.9)	63	28.8 (24.9 - 33.3)	39
York	37.5 (34.1 - 41.2)	91	56.4 (50.0 - 63.4)	59	22.8 (19.4 - 26.8)	32
Maine	37.3 (35.9 - 38.6)	624	53.2 (50.8 - 55.6)	388	24.9 (23.5 - 26.4)	236

#### Notes:

- County/District rate is significantly higher than Maine rate
- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: Excl. = Excluding; AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

#### Data Sources:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2010)

### Prostate Cancer: Mortality by County of Residence, Maine 2006-2010

	Male	
	AA Rate (95% CI)	Count/Yr
Androscoggin	20.3 (14.9 - 27.0)	10
Aroostook	14.0 (9.2 - 20.5)	6
Cumberland	24.6 (20.8 - 28.9)	30
Franklin	25.3 (14.9 - 40.2)	4
Hancock	30.6 (22.3 - 41.1)	9
Kennebec	27.7 (21.9 - 34.4)	16
Knox	24.7 (16.7 - 35.5)	6
Lincoln	24.5 (16.2 - 36.0)	6
Oxford	20.6 (14.0 - 29.3)	6
Penobscot	22.8 (17.9 - 28.6)	15
Piscataquis	20.8 (10.3 - 38.7)	2
Sagadahoc	29.5 (18.7 - 44.0)	5
Somerset	19.6 (12.7 - 29.0)	5
Waldo	23.7 (14.6 - 36.4)	4
Washington	24.0 (15.3 - 36.2)	5
York	20.1 (16.1 - 24.7)	18
Maine	22.9 (21.3 - 24.7)	148

### Prostate Cancer: Mortality by Public Health District of Residence, Maine 2006-2010

	Male	
	AA Rate (95% CI)	Count/Yr
Aroostook	14.0 (9.2 - 20.5)	6
Central	25.4 (20.8 - 30.8)	21
Cumberland	24.6 (20.8 - 28.9)	30
Downeast	28.1 (21.8 - 35.7)	14
Midcoast	25.2 (20.6 - 30.6)	21
Penquis	22.5 (18.0 - 27.8)	18
Western	21.1 (17.1 - 25.8)	20
York	20.1 (16.1 - 24.7)	18
Maine	22.9 (21.3 - 24.7)	148

#### Notes:

- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

#### Data Sources:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2010)

### Female Breast Cancer: Mortality by County of Residence, Maine 2006-2010

	Female	
	AA Rate (95% CI)	Count/Yr
Androscoggin	22.0 (17.2 - 27.7)	15
Aroostook	22.3 (16.9 - 29.1)	12
Cumberland	19.4 (16.7 - 22.6)	37
Franklin	15.3 (8.8 - 25.3)	3
Hancock	22.1 (16.0 - 30.2)	9
Kennebec	24.4 (19.7 - 30.0)	20
Knox	26.8 (19.1 - 37.0)	9
Lincoln	14.3 (8.9 - 22.9)	4
Oxford	25.1 (18.7 - 33.2)	11
Penobscot	19.6 (15.8 - 24.0)	19
Piscataquis	19.5 (10.9 - 34.4)	3
Sagadahoc	21.3 (13.7 - 32.1)	5
Somerset	18.4 (12.7 - 26.1)	7
Waldo	22.2 (14.8 - 32.3)	6
Washington	22.9 (15.2 - 33.9)	6
York	20.0 (16.7 - 23.8)	27
Maine	20.9 (19.5 - 22.3)	193

### Female Breast Cancer: Mortality by Public Health District of Residence, Maine 2006-2010

	Female	
	AA Rate (95% CI)	Count/Yr
Aroostook	22.3 (16.9 - 29.1)	12
Central	22.6 (18.8 - 26.9)	26
Cumberland	19.4 (16.7 - 22.6)	37
Downeast	22.5 (17.6 - 28.7)	15
Midcoast	21.3 (17.5 - 25.7)	24
Penquis	19.6 (16.1 - 23.8)	22
Western	21.8 (18.4 - 25.8)	29
York	20.0 (16.7 - 23.8)	27
Maine	20.9 (19.5 - 22.3)	193

#### Notes:

- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

#### Data Sources:

- National Center for Health Statistics, All Causes of Death, Public-Use with County, Total U.S. (1969-2010)



## Colorectal Cancer: Mortality by County of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Androscoggin	14.4 (11.6 - 17.8)	18	20.9 (15.5 - 27.4)	11	10.4 (7.2 - 14.5)	7
Aroostook	20.8 (17.1 - 25.2)	22	22.1 (16.2 - 29.6)	10	19.7 (15.0 - 25.7)	12
Cumberland	16.0 (14.1 - 18.1)	53	20.1 (16.8 - 23.8)	27	13.1 (10.9 - 15.6)	26
Franklin	27.5 (20.2 - 36.7)	10	35.9 (23.4 - 52.8)	5	22.2 (13.6 - 34.6)	4
Hancock	11.8 (8.6 - 16.0)	9	11.9 (7.2 - 18.9)	4	11.8 (7.7 - 17.9)	5
Kennebec	18.9 (15.9 - 22.3)	29	21.3 (16.5 - 27.1)	14	17.0 (13.3 - 21.5)	15
Knox	12.1 (8.5 - 16.9)	8	16.2 (9.9 - 25.2)	4	9.2 (5.3 - 15.8)	3
Lincoln	14.0 (9.9 - 19.5)	8	19.8 (12.6 - 30.2)	5	9.3 (5.2 - 16.5)	3
Oxford	17.5 (13.5 - 22.4)	13	20.2 (13.9 - 28.5)	7	15.3 (10.3 - 22.1)	6
Penobscot	16.7 (14.1 - 19.6)	30	21.1 (16.7 - 26.4)	16	13.6 (10.5 - 17.4)	13
Piscataquis	22.8 (15.1 - 33.7)	6	32.2 (18.6 - 53.0)	4	15.3 (7.6 - 29.5)	2
Sagadahoc	14.4 (9.8 - 20.5)	7	18.0 (10.3 - 29.4)	3	12.1 (6.8 - 20.4)	3
Somerset	19.9 (15.4 - 25.6)	13	20.5 (13.7 - 29.6)	6	18.5 (12.9 - 26.2)	7
Waldo	15.2 (10.7 - 21.1)	8	23.1 (14.5 - 35.0)	5	10.1 (5.5 - 17.5)	3
Washington	13.4 (9.1 - 19.3)	6	20.3 (12.4 - 31.7)	4	8.2 (4.0 - 15.8)	2
York	15.9 (13.7 - 18.3)	39	17.4 (13.9 - 21.6)	18	14.8 (12.1 - 18.1)	21
Maine	16.5 (15.7 - 17.4)	278	20.2 (18.7 - 21.8)	143	13.9 (12.9 - 15.0)	135

## Colorectal Cancer: Mortality by Public Health District of Residence, Maine 2006-2010

	Total		Male		Female	
	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr	AA Rate (95% CI)	Count/Yr
Aroostook	20.8 (17.1 - 25.2)	22	22.1 (16.2 - 29.6)	10	19.7 (15.0 - 25.7)	12
Central	19.2 (16.7 - 22.0)	42	21.1 (17.1 - 25.8)	20	17.4 (14.2 - 21.1)	22
Cumberland	16.0 (14.1 - 18.1)	53	20.1 (16.8 - 23.8)	27	13.1 (10.9 - 15.6)	26
Downeast	12.4 (9.8 - 15.6)	16	15.1 (10.8 - 20.8)	8	10.3 (7.2 - 14.5)	7
Midcoast	13.8 (11.7 - 16.3)	30	19.1 (15.2 - 23.7)	17	10.1 (7.7 - 13.1)	13
Penquis	17.4 (14.9 - 20.2)	35	22.5 (18.2 - 27.6)	20	13.7 (10.8 - 17.3)	16
Western	17.3 (15.0 - 19.9)	41	23.0 (18.9 - 27.7)	23	13.6 (10.9 - 16.8)	18
York	15.9 (13.7 - 18.3)	39	17.4 (13.9 - 21.6)	18	14.8 (12.1 - 18.1)	21
Maine	16.5 (15.7 - 17.4)	278	20.2 (18.7 - 21.8)	143	13.9 (12.9 - 15.0)	135

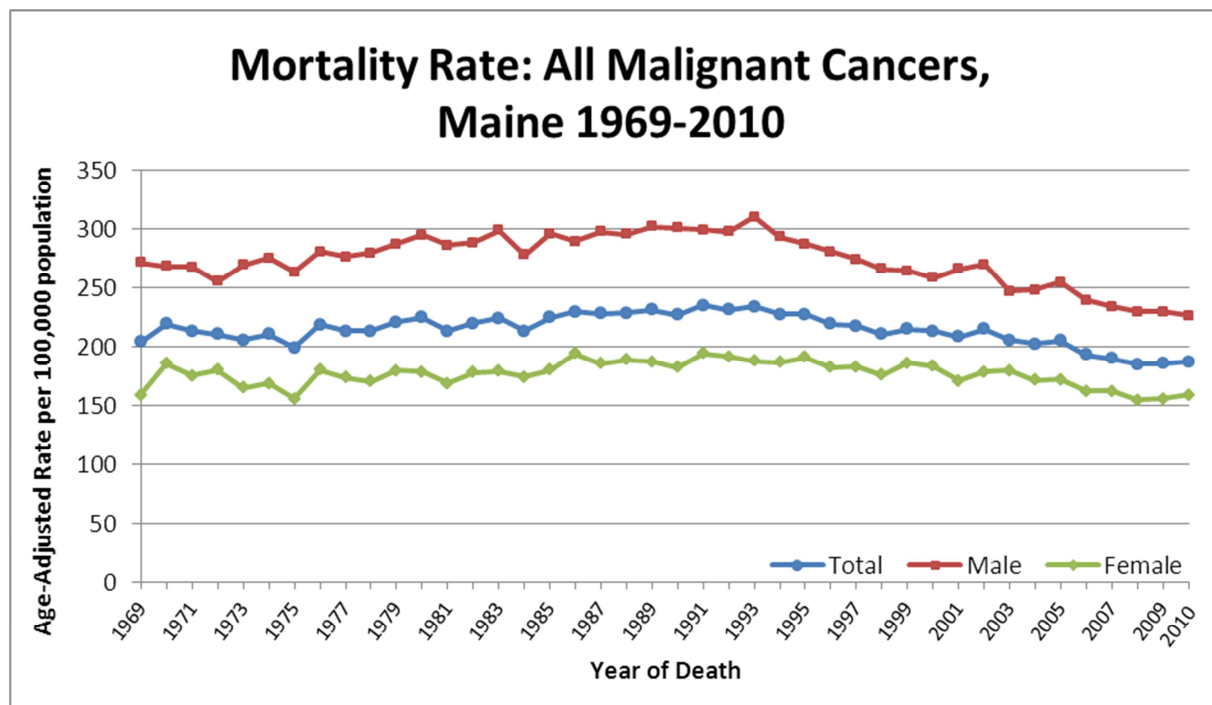
## Notes:

- County/District rate is significantly higher than Maine rate
- Mortality case definitions are based on ICD-10 codes (See page 3)
- Rates are calculated per 100,000 population and age-adjusted to the year 2000 U.S. standard population
- Abbreviations: AA = Age-adjusted; CI = Confidence Interval; Count/Yr = Average Annual Count

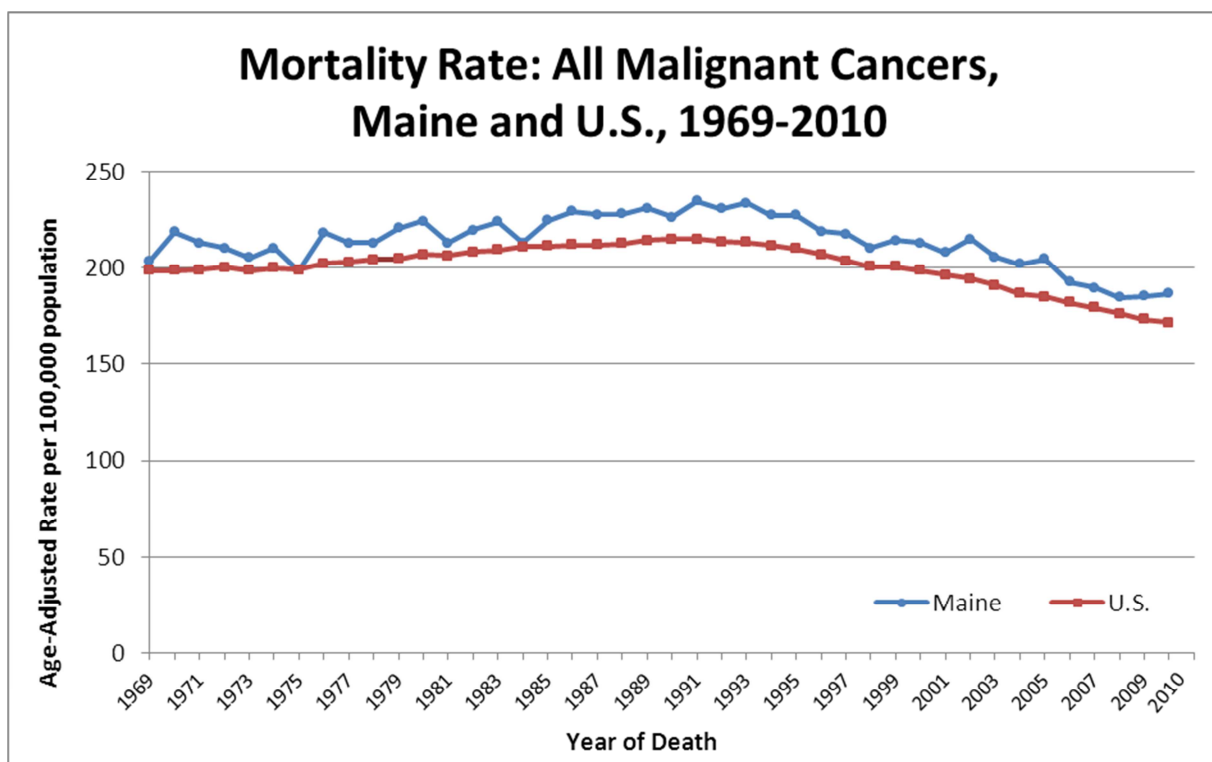
## Data Sources:

- National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2010)

### Age-adjusted Cancer Mortality Trend: All Malignant Cancers, Maine 1969-2010



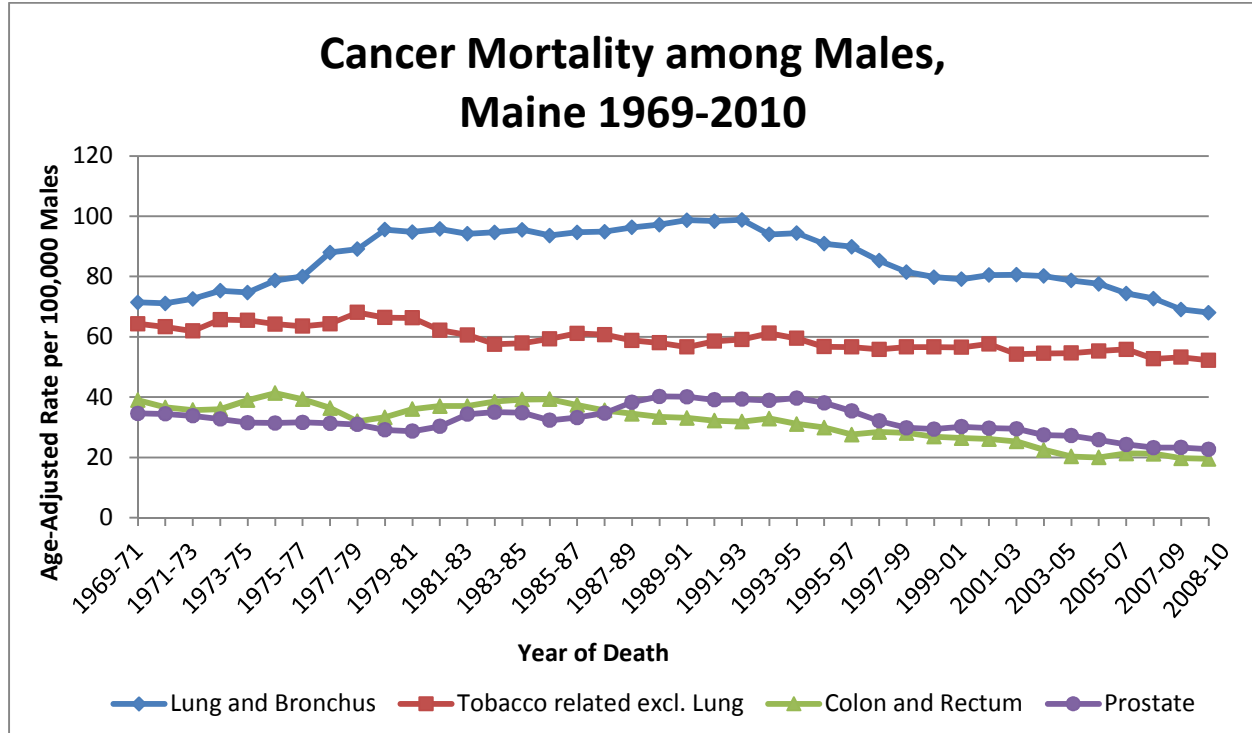
### Age-adjusted Cancer Mortality Trend: All Malignant Cancers, U.S. and Maine 1969-2010



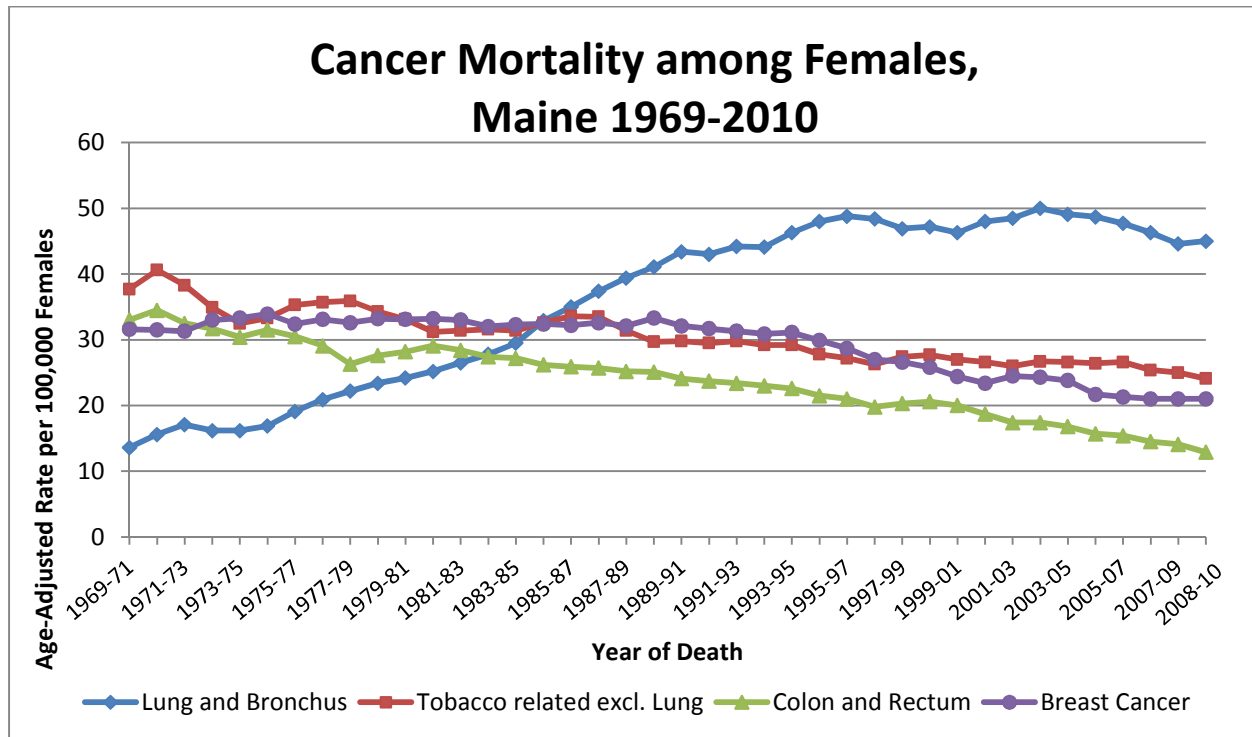
**Data Source:**

- National Center for Health Statistics, All Causes of Death, Public-Use with State, Total U.S. (1969-2010)

Age-adjusted Cancer Mortality Trend: Top Causes of Cancer among Males, Maine 1969-2010



Age-adjusted Cancer Mortality Trend: Top Causes of Cancer among Females, Maine 1969-2010

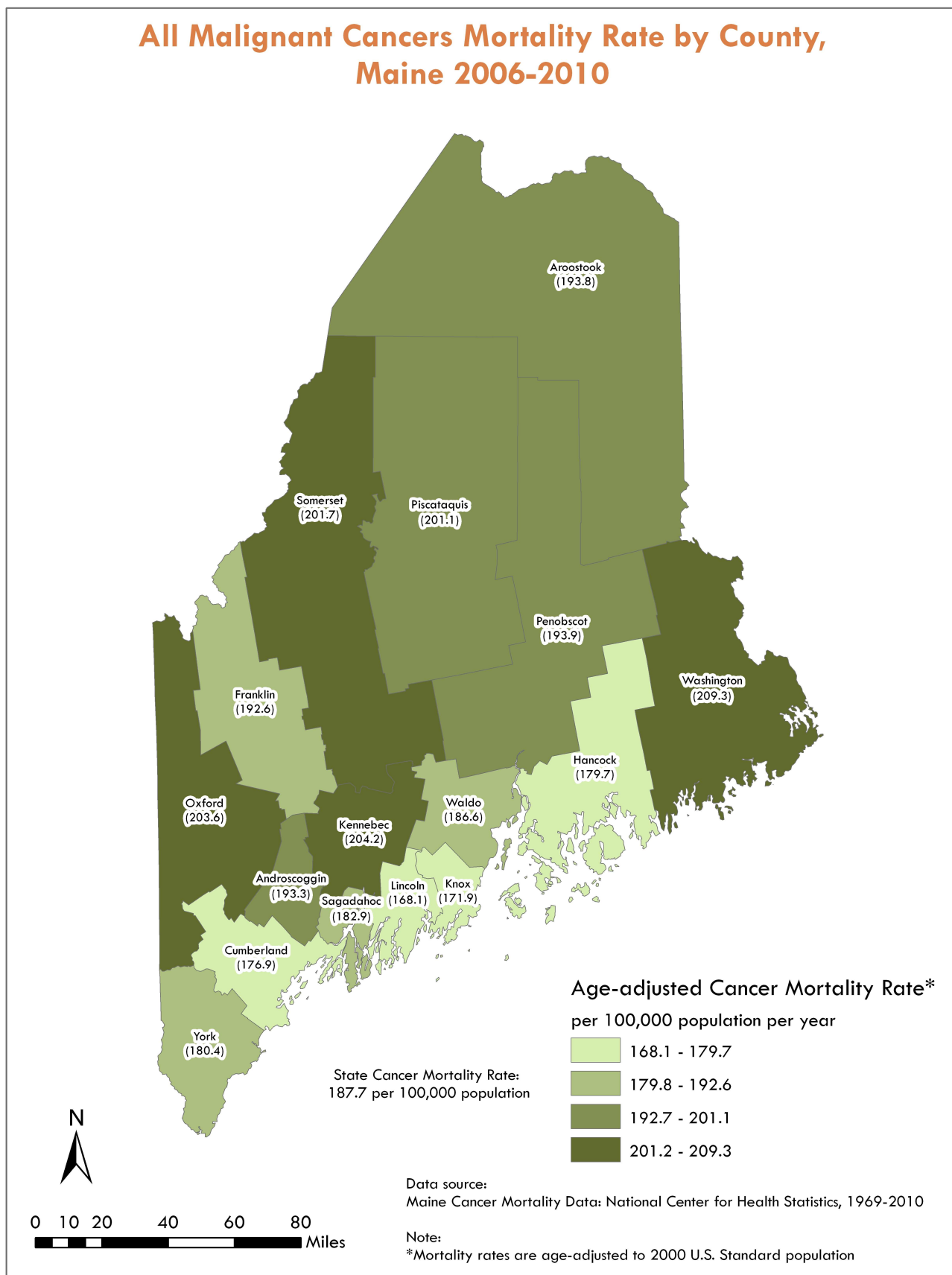


Data Source:

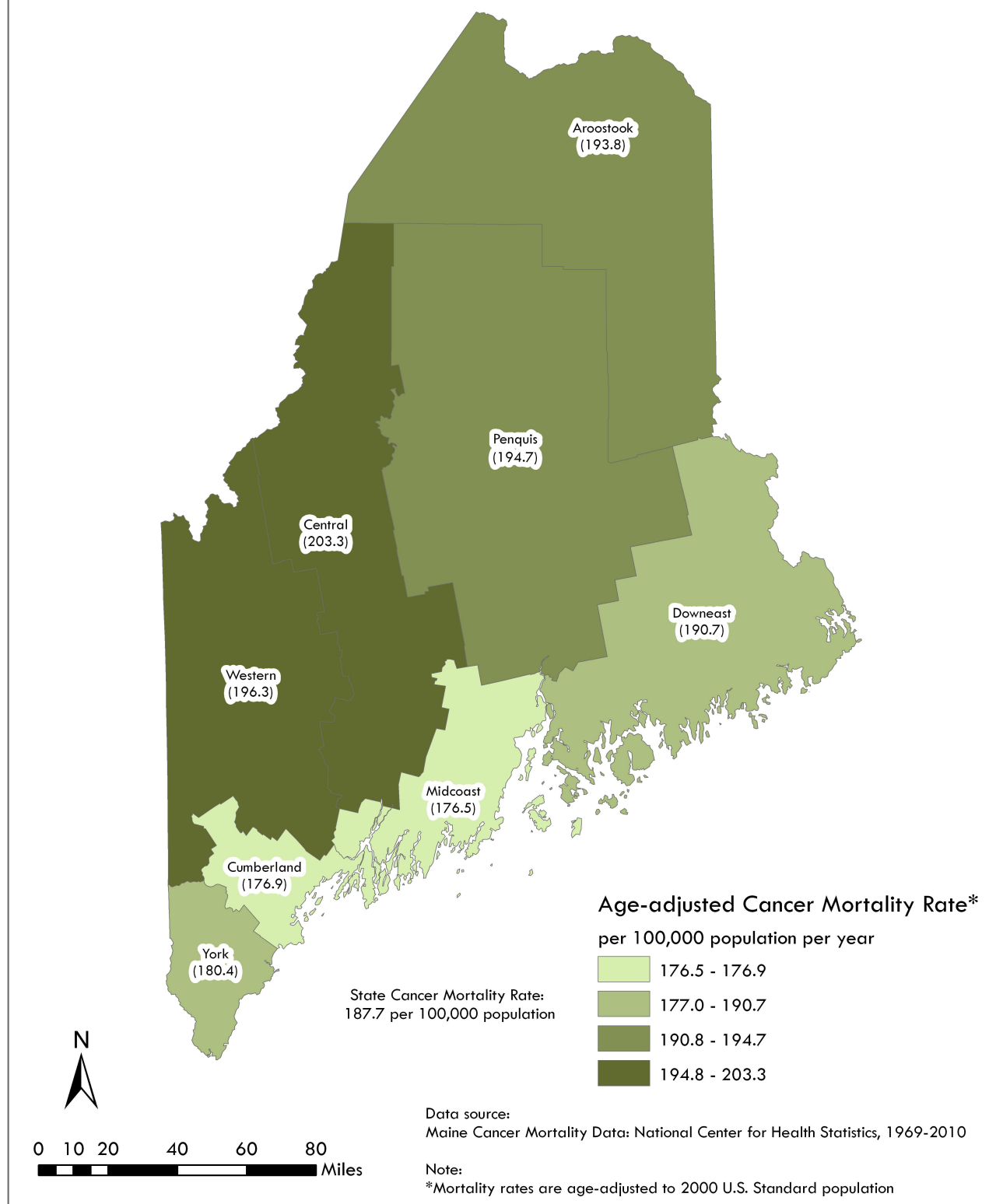
- National Center for Health Statistics, All Causes of Death, Public-Use With State, total U.S. (1969-2010)

# CANCER MORTALITY MAPS

## All Malignant Cancers Mortality Rate by County, Maine 2006-2010



## All Malignant Cancers Mortality Rate by Public Health District, Maine 2006-2010



# APPENDIX 1

## INCIDENCE CASE DEFINITIONS

Incidence data are based on SEER site recode ICD-O-3/WHO 2008 definitions, version 2008. Available at [http://www.seer.cancer.gov/siterecode/icdo3\\_dwho/home/index.html](http://www.seer.cancer.gov/siterecode/icdo3_dwho/home/index.html).

### Site Recode ICD-O-3/WHO 2008 Definition\*^

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
<b>Oral Cavity and Pharynx</b>			
Lip	C000-C009	excluding 9050-9055, 9140, 9590-9992	20010
Tongue	C019-C029		20020
Salivary Gland	C079-C089		20030
Floor of Mouth	C040-C049		20040
Gum and Other Mouth	C030-C039, C050-C059, C060-C069		20050
Nasopharynx	C110-C119		20060
Tonsil	C090-C099		20070
Oropharynx	C100-C109		20080
Hypopharynx	C129, C130-C139		20090
Other Oral Cavity and Pharynx	C140, C142-C148		20100
<b>Digestive System</b>			
Esophagus	C150-C159	excluding 9050-9055, 9140, 9590-9992	21010
Stomach	C160-C169		21020
Small Intestine	C170-C179		21030
Colon and Rectum			
Colon excluding Rectum			
Cecum	C180	excluding 9050-9055, 9140, 9590-9992	21041
Appendix	C181		21042
Ascending Colon	C182		21043
Hepatic Flexure	C183		21044
Transverse Colon	C184		21045
Splenic Flexure	C185		21046
Descending Colon	C186		21047
Sigmoid Colon	C187		21048
Large Intestine, NOS	C188-C189, C260		21049
Rectum and Rectosigmoid Junction			
Rectosigmoid Junction	C199	excluding 9050-9055, 9140, 9590-9992	21051
Rectum	C209		21052
Anus, Anal Canal and Anorectum	C210-C212, C218		21060
Liver and Intrahepatic Bile Duct			
Liver	C220	excluding 9050-9055, 9140, 9590-9992	21071
Intrahepatic Bile Duct	C221		21072
Gallbladder	C239		21080
Other Biliary	C240-C249		21090
Pancreas	C250-C259		21100
Retroperitoneum	C480		21110
Peritoneum, Omentum and Mesentery	C481-C482		21120
Other Digestive Organs	C268-C269, C488		21130

**MAINE Annual Cancer Report 2013**

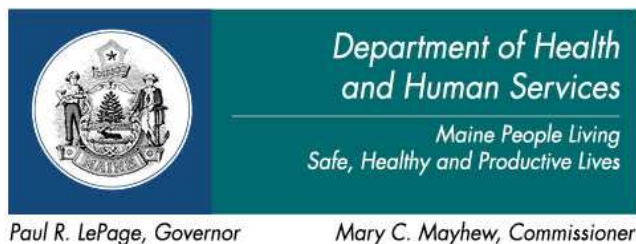
Respiratory System			
Nose, Nasal Cavity and Middle Ear	C300-C301, C310-C319	excluding 9050-9055, 9140, 9590-9992	22010
Larynx	C320-C329		22020
Lung and Bronchus	C340-C349		22030
Pleura	C384		22050
Trachea, Mediastinum and Other Respiratory Organs	C339, C381-C383, C388, C390, C398, C399		22060
Bones and Joints	C400-C419	excluding 9050-9055, 9140, 9590-9992	23000
Soft Tissue including Heart	C380, C470-C479, C490-C499	excluding 9050-9055, 9140, 9590-9992	24000
Skin excluding Basal and Squamous			
Melanoma of the Skin	C440-C449	8720-8790	25010
Other Non-Epithelial Skin	C440-C449	excluding 8000-8005, 8010-8046, 8050-8084, 8090-8110, 8720-8790, 9050-9055, 9140, 9590-9992	25020
Breast	C500-C509	excluding 9050-9055, 9140, 9590-9992	26000
Female Genital System			
Cervix Uteri	C530-C539	excluding 9050-9055, 9140, 9590-9992	27010
Corpus and Uterus, NOS			
Corpus Uteri	C540-C549	excluding 9050-9055, 9140, 9590-9992	27020
Uterus, NOS	C559		27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C589		27070
Male Genital System			
Prostate	C619	excluding 9050-9055, 9140, 9590-9992	28010
Testis	C620-C629		28020
Penis	C600-C609		28030
Other Male Genital Organs	C630-C639		28040
Urinary System			
Urinary Bladder	C670-C679	excluding 9050-9055, 9140, 9590-9992	29010
Kidney and Renal Pelvis	C649, C659		29020
Ureter	C669		29030
Other Urinary Organs	C680-C689		29040
Eye and Orbit	C690-C699		excluding 9050-9055, 9140, 9590-9992
Brain and Other Nervous System			
Brain	C710-C719	excluding 9050-9055, 9140, 9530-9539, 9590-9992	31010
Cranial Nerves Other Nervous System	C710-C719	9530-9539	31040
	C700-C709, C720-C729	excluding 9050-9055, 9140, 9590-9992	
Endocrine System			
Thyroid	C739	excluding 9050-9055, 9140, 9590-9992	32010
Other Endocrine including Thymus	C379, C740-C749, C750-C759		32020
Lymphoma			
Hodgkin Lymphoma			
Hodgkin - Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667	33011
Hodgkin - Extranodal	All other sites		33012
Non-Hodgkin Lymphoma			
NHL - Nodal	C024, C098,C099, C111,C142, C379,C422, C770-C779	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737-9738, 9811-9818, 9823, 9827, 9837	33041
NHL - Extranodal	All sites except C024, C098-	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684,	33042



	C099, C111, C142, C379, C422, C770-C779	9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737-9738	
	All sites except C024, C098-C099, C111, C142, C379, C420-C422, C424, C770-C779	9811-9818, 9823, 9827, 9837	
<b>Myeloma</b>		9731-9732, 9734	34000
<b>Leukemia</b>			
Lymphocytic Leukemia			
Acute Lymphocytic Leukemia		9826, 9835-9836	35011
	C420, C421, C424	9811-9818, 9837	
Chronic Lymphocytic Leukemia	C420, C421, C424	9823	35012
Other Lymphocytic Leukemia		9820, 9832-9834, 9940	35013
Myeloid and Monocytic Leukemia			
Acute Myeloid Leukemia		9840, 9861, 9865-9867, 9869, 9871-9874, 9895-9897, 9898, 9910-9911, 9920	35021
Acute Monocytic Leukemia		9891	35031
Chronic Myeloid Leukemia		9863, 9875-9876, 9945-9946	35022
Other Myeloid/Monocytic Leukemia		9860, 9930	35023
Other Leukemia			
Other Acute Leukemia		9801, 9805-9809, 9931	35041
Aleukemic, subleukemic and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963-9964	35043
	C420, C421, C424	9827	
<b>Mesothelioma</b>		9050-9055	36010
<b>Kaposi Sarcoma</b>		9140	36020
<b>Miscellaneous</b>		9740-9741, 9750-9769, 9950, 9960-9962, 9965-9967, 9970-9971, 9975, 9980, 9982-9987, 9989, 9991-9992	37000
	C760-C768, C809	excluding 9050-9055, 9140, 9590-9992	
	C420-C424		
	C770-C779		
<b>Invalid</b>	Site or histology code not within valid range or site code not found in this table.		99999

\* This table was updated for Hematopoietic codes based on *WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008)*.

^ Subject to change based on evolving ICD-O-3 coding rules.



The Department of Health and Human Services (DHHS) does not discriminate on the basis of disability, race, color, creed, gender, sexual orientation, age, or national origin, in admission to, access to, or operations of its programs, services, or activities, or its hiring or employment practices. This notice is provided as required by Title II of the Americans with Disabilities Act of 1990 and in accordance with the Civil Rights Act of 1964 as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Age Discrimination Act of 1975, Title IX of the Education Amendments of 1972 and the Maine Human Rights Act and Executive Order Regarding State of Maine Contracts for Services. Questions, concerns, complaints or requests for additional information regarding the ADA may be forwarded to DHHS' ADA Compliance/EEO Coordinators, 11 State House Station – 221 State Street, Augusta, Maine 04333, 207-287-4289 (V), 207-287-3488 (V), TTY users call Maine relay 711. Individuals who need auxiliary aids for effective communication in program and services of DHHS are invited to make their needs and preferences known to the ADA Compliance/EEO Coordinators. This notice is available in alternate formats, upon request.